

Table 20.36

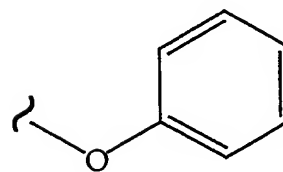
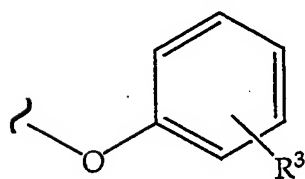
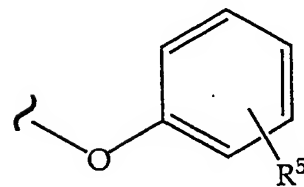
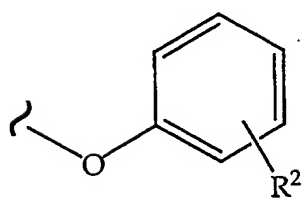
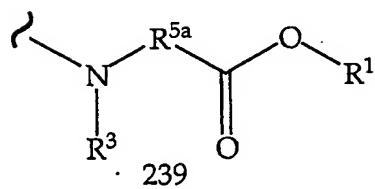
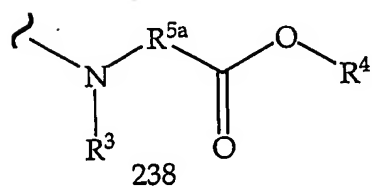
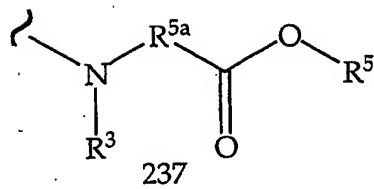
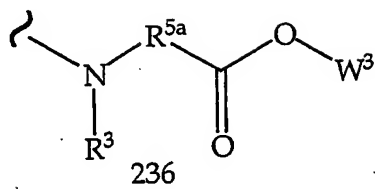


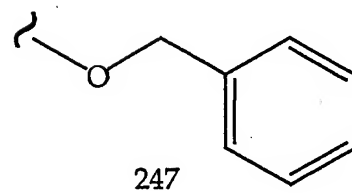
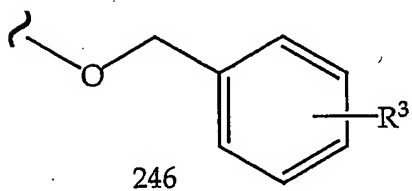
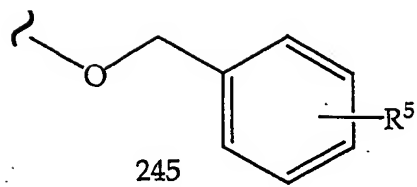
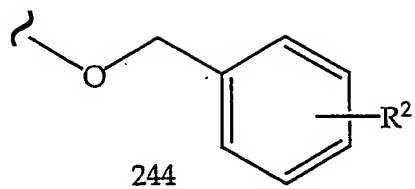
Table 20.37

Table 110

Prodrugs of 1.B

- 1.B.228.228; 1.B.228.229; 1.B.228.230; 1.B.228.231; 1.B.228.236;
- 5 1.B.228.237; 1.B.228.238; 1.B.228.239; 1.B.228.154; 1.B.228.157; 1.B.228.166;
1.B.228.169; 1.B.228.172; 1.B.228.175; 1.B.228.240; 1.B.228.244; 1.B.229.228;
1.B.229.229; 1.B.229.230; 1.B.229.231; 1.B.229.236; 1.B.229.237; 1.B.229.238;
1.B.229.239; 1.B.229.154; 1.B.229.157; 1.B.229.166; 1.B.229.169; 1.B.229.172;
1.B.229.175; 1.B.229.240; 1.B.229.244; 1.B.230.228; 1.B.230.229; 1.B.230.230;
- 10 1.B.230.231; 1.B.230.236; 1.B.230.237; 1.B.230.238; 1.B.230.239; 1.B.230.154;
1.B.230.157; 1.B.230.166; 1.B.230.169; 1.B.230.172; 1.B.230.175; 1.B.230.240;
1.B.230.244; 1.B.231.228; 1.B.231.229; 1.B.231.230; 1.B.231.231; 1.B.231.236;
1.B.231.237; 1.B.231.238; 1.B.231.239; 1.B.231.154; 1.B.231.157; 1.B.231.166;
1.B.231.169; 1.B.231.172; 1.B.231.175; 1.B.231.240; 1.B.231.244; 1.B.236.228;
- 15 1.B.236.229; 1.B.236.230; 1.B.236.231; 1.B.236.236; 1.B.236.237; 1.B.236.238;
1.B.236.239; 1.B.236.154; 1.B.236.157; 1.B.236.166; 1.B.236.169; 1.B.236.172;
1.B.236.175; 1.B.236.240; 1.B.236.244; 1.B.237.228; 1.B.237.229; 1.B.237.230;
1.B.237.231; 1.B.237.236; 1.B.237.237; 1.B.237.238; 1.B.237.239; 1.B.237.154;
1.B.237.157; 1.B.237.166; 1.B.237.169; 1.B.237.172; 1.B.237.175; 1.B.237.240;
- 20 1.B.237.244; 1.B.238.228; 1.B.238.229; 1.B.238.230; 1.B.238.231; 1.B.238.236;
1.B.238.237; 1.B.238.238; 1.B.238.239; 1.B.238.154; 1.B.238.157; 1.B.238.166;
1.B.238.169; 1.B.238.172; 1.B.238.175; 1.B.238.240; 1.B.238.244; 1.B.239.228;
1.B.239.229; 1.B.239.230; 1.B.239.231; 1.B.239.236; 1.B.239.237; 1.B.239.238;
1.B.239.239; 1.B.239.154; 1.B.239.157; 1.B.239.166; 1.B.239.169; 1.B.239.172;
- 25 1.B.239.175; 1.B.239.240; 1.B.239.244; 1.B.154.228; 1.B.154.229; 1.B.154.230;
1.B.154.231; 1.B.154.236; 1.B.154.237; 1.B.154.238; 1.B.154.239; 1.B.154.154;
1.B.154.157; 1.B.154.166; 1.B.154.169; 1.B.154.172; 1.B.154.175; 1.B.154.240;
1.B.154.244; 1.B.157.228; 1.B.157.229; 1.B.157.230; 1.B.157.231; 1.B.157.236;
1.B.157.237; 1.B.157.238; 1.B.157.239; 1.B.157.154; 1.B.157.157; 1.B.157.166;
- 30 1.B.157.169; 1.B.157.172; 1.B.157.175; 1.B.157.240; 1.B.157.244; 1.B.166.228;
1.B.166.229; 1.B.166.230; 1.B.166.231; 1.B.166.236; 1.B.166.237; 1.B.166.238;

- 1.B.166.239; 1.B.166.154; 1.B.166.157; 1.B.166.166; 1.B.166.169; 1.B.166.172;
1.B.166.175; 1.B.166.240; 1.B.166.244; 1.B.169.228; 1.B.169.229; 1.B.169.230;
1.B.169.231; 1.B.169.236; 1.B.169.237; 1.B.169.238; 1.B.169.239; 1.B.169.154;
1.B.169.157; 1.B.169.166; 1.B.169.169; 1.B.169.172; 1.B.169.175; 1.B.169.240;
5 1.B.169.244; 1.B.172.228; 1.B.172.229; 1.B.172.230; 1.B.172.231; 1.B.172.236;
1.B.172.237; 1.B.172.238; 1.B.172.239; 1.B.172.154; 1.B.172.157; 1.B.172.166;
1.B.172.169; 1.B.172.172; 1.B.172.175; 1.B.172.240; 1.B.172.244; 1.B.175.228;
1.B.175.229; 1.B.175.230; 1.B.175.231; 1.B.175.236; 1.B.175.237; 1.B.175.238;
1.B.175.239; 1.B.175.154; 1.B.175.157; 1.B.175.166; 1.B.175.169; 1.B.175.172;
10 1.B.175.175; 1.B.175.240; 1.B.175.244; 1.B.240.228; 1.B.240.229; 1.B.240.230;
1.B.240.231; 1.B.240.236; 1.B.240.237; 1.B.240.238; 1.B.240.239; 1.B.240.154;
1.B.240.157; 1.B.240.166; 1.B.240.169; 1.B.240.172; 1.B.240.175; 1.B.240.240;
1.B.240.244; 1.B.244.228; 1.B.244.229; 1.B.244.230; 1.B.244.231; 1.B.244.236;
1.B.244.237; 1.B.244.238; 1.B.244.239; 1.B.244.154; 1.B.244.157; 1.B.244.166;
15 1.B.244.169; 1.B.244.172; 1.B.244.175; 1.B.244.240; 1.B.244.244;

Prodrugs of 1.D

- 1.D.228.228; 1.D.228.229; 1.D.228.230; 1.D.228.231; 1.D.228.236;
1.D.228.237; 1.D.228.238; 1.D.228.239; 1.D.228.154; 1.D.228.157;
20 1.D.228.166; 1.D.228.169; 1.D.228.172; 1.D.228.175; 1.D.228.240;
1.D.228.244; 1.D.229.228; 1.D.229.229; 1.D.229.230; 1.D.229.231;
1.D.229.236; 1.D.229.237; 1.D.229.238; 1.D.229.239; 1.D.229.154;
1.D.229.157; 1.D.229.166; 1.D.229.169; 1.D.229.172; 1.D.229.175;
1.D.229.240; 1.D.229.244; 1.D.230.228; 1.D.230.229; 1.D.230.230;
25 1.D.230.231; 1.D.230.236; 1.D.230.237; 1.D.230.238; 1.D.230.239;
1.D.230.154; 1.D.230.157; 1.D.230.166; 1.D.230.169; 1.D.230.172;
1.D.230.175; 1.D.230.240; 1.D.230.244; 1.D.231.228; 1.D.231.229;
1.D.231.230; 1.D.231.231; 1.D.231.236; 1.D.231.237; 1.D.231.238;
1.D.231.239; 1.D.231.154; 1.D.231.157; 1.D.231.166; 1.D.231.169;
30 1.D.231.172; 1.D.231.175; 1.D.231.240; 1.D.231.244; 1.D.236.228;
1.D.236.229; 1.D.236.230; 1.D.236.231; 1.D.236.236; 1.D.236.237;

- 1.D.236.238; 1.D.236.239; 1.D.236.154; 1.D.236.157; 1.D.236.166;
1.D.236.169; 1.D.236.172; 1.D.236.175; 1.D.236.240; 1.D.236.244;
1.D.237.228; 1.D.237.229; 1.D.237.230; 1.D.237.231; 1.D.237.236;
1.D.237.237; 1.D.237.238; 1.D.237.239; 1.D.237.154; 1.D.237.157;
5 1.D.237.166; 1.D.237.169; 1.D.237.172; 1.D.237.175; 1.D.237.240;
1.D.237.244; 1.D.238.228; 1.D.238.229; 1.D.238.230; 1.D.238.231;
1.D.238.236; 1.D.238.237; 1.D.238.238; 1.D.238.239; 1.D.238.154;
1.D.238.157; 1.D.238.166; 1.D.238.169; 1.D.238.172; 1.D.238.175;
1.D.238.240; 1.D.238.244; 1.D.239.228; 1.D.239.229; 1.D.239.230;
10 1.D.239.231; 1.D.239.236; 1.D.239.237; 1.D.239.238; 1.D.239.239;
1.D.239.154; 1.D.239.157; 1.D.239.166; 1.D.239.169; 1.D.239.172;
1.D.239.175; 1.D.239.240; 1.D.239.244; 1.D.154.228; 1.D.154.229;
1.D.154.230; 1.D.154.231; 1.D.154.236; 1.D.154.237; 1.D.154.238;
1.D.154.239; 1.D.154.154; 1.D.154.157; 1.D.154.166; 1.D.154.169;
15 1.D.154.172; 1.D.154.175; 1.D.154.240; 1.D.154.244; 1.D.157.228;
1.D.157.229; 1.D.157.230; 1.D.157.231; 1.D.157.236; 1.D.157.237;
1.D.157.238; 1.D.157.239; 1.D.157.154; 1.D.157.157; 1.D.157.166;
1.D.157.169; 1.D.157.172; 1.D.157.175; 1.D.157.240; 1.D.157.244;
1.D.166.228; 1.D.166.229; 1.D.166.230; 1.D.166.231; 1.D.166.236;
20 1.D.166.237; 1.D.166.238; 1.D.166.239; 1.D.166.154; 1.D.166.157;
1.D.166.166; 1.D.166.169; 1.D.166.172; 1.D.166.175; 1.D.166.240;
1.D.166.244; 1.D.169.228; 1.D.169.229; 1.D.169.230; 1.D.169.231;
1.D.169.236; 1.D.169.237; 1.D.169.238; 1.D.169.239; 1.D.169.154;
1.D.169.157; 1.D.169.166; 1.D.169.169; 1.D.169.172; 1.D.169.175;
25 1.D.169.240; 1.D.169.244; 1.D.172.228; 1.D.172.229; 1.D.172.230;
1.D.172.231; 1.D.172.236; 1.D.172.237; 1.D.172.238; 1.D.172.239;
1.D.172.154; 1.D.172.157; 1.D.172.166; 1.D.172.169; 1.D.172.172;
1.D.172.175; 1.D.172.240; 1.D.172.244; 1.D.175.228; 1.D.175.229;
1.D.175.230; 1.D.175.231; 1.D.175.236; 1.D.175.237; 1.D.175.238;
30 1.D.175.239; 1.D.175.154; 1.D.175.157; 1.D.175.166; 1.D.175.169;
1.D.175.172; 1.D.175.175; 1.D.175.240; 1.D.175.244; 1.D.240.228;

1.D.240.229; 1.D.240.230; 1.D.240.231; 1.D.240.236; 1.D.240.237;
1.D.240.238; 1.D.240.239; 1.D.240.154; 1.D.240.157; 1.D.240.166;
1.D.240.169; 1.D.240.172; 1.D.240.175; 1.D.240.240; 1.D.240.244;
1.D.244.228; 1.D.244.229; 1.D.244.230; 1.D.244.231; 1.D.244.236;
5 1.D.244.237; 1.D.244.238; 1.D.244.239; 1.D.244.154; 1.D.244.157;
1.D.244.166; 1.D.244.169; 1.D.244.172; 1.D.244.175; 1.D.244.240;
1.D.244.244;

Prodrugs of 1.E

10 1.E.228.228; 1.E.228.229; 1.E.228.230; 1.E.228.231; 1.E.228.236;
1.E.228.237; 1.E.228.238; 1.E.228.239; 1.E.228.154; 1.E.228.157; 1.E.228.166;
1.E.228.169; 1.E.228.172; 1.E.228.175; 1.E.228.240; 1.E.228.244; 1.E.229.228;
1.E.229.229; 1.E.229.230; 1.E.229.231; 1.E.229.236; 1.E.229.237; 1.E.229.238;
1.E.229.239; 1.E.229.154; 1.E.229.157; 1.E.229.166; 1.E.229.169; 1.E.229.172;
15 1.E.229.175; 1.E.229.240; 1.E.229.244; 1.E.230.228; 1.E.230.229; 1.E.230.230;
1.E.230.231; 1.E.230.236; 1.E.230.237; 1.E.230.238; 1.E.230.239; 1.E.230.154;
1.E.230.157; 1.E.230.166; 1.E.230.169; 1.E.230.172; 1.E.230.175; 1.E.230.240;
1.E.230.244; 1.E.231.228; 1.E.231.229; 1.E.231.230; 1.E.231.231; 1.E.231.236;
1.E.231.237; 1.E.231.238; 1.E.231.239; 1.E.231.154; 1.E.231.157; 1.E.231.166;
20 1.E.231.169; 1.E.231.172; 1.E.231.175; 1.E.231.240; 1.E.231.244; 1.E.236.228;
1.E.236.229; 1.E.236.230; 1.E.236.231; 1.E.236.236; 1.E.236.237; 1.E.236.238;
1.E.236.239; 1.E.236.154; 1.E.236.157; 1.E.236.166; 1.E.236.169; 1.E.236.172;
1.E.236.175; 1.E.236.240; 1.E.236.244; 1.E.237.228; 1.E.237.229; 1.E.237.230;
1.E.237.231; 1.E.237.236; 1.E.237.237; 1.E.237.238; 1.E.237.239; 1.E.237.154;
25 1.E.237.157; 1.E.237.166; 1.E.237.169; 1.E.237.172; 1.E.237.175; 1.E.237.240;
1.E.237.244; 1.E.238.228; 1.E.238.229; 1.E.238.230; 1.E.238.231; 1.E.238.236;
1.E.238.237; 1.E.238.238; 1.E.238.239; 1.E.238.154; 1.E.238.157; 1.E.238.166;
1.E.238.169; 1.E.238.172; 1.E.238.175; 1.E.238.240; 1.E.238.244; 1.E.239.228;
1.E.239.229; 1.E.239.230; 1.E.239.231; 1.E.239.236; 1.E.239.237; 1.E.239.238;
30 1.E.239.239; 1.E.239.154; 1.E.239.157; 1.E.239.166; 1.E.239.169; 1.E.239.172;
1.E.239.175; 1.E.239.240; 1.E.239.244; 1.E.154.228; 1.E.154.229; 1.E.154.230;

- 1.E.154.231; 1.E.154.236; 1.E.154.237; 1.E.154.238; 1.E.154.239; 1.E.154.154;
 1.E.154.157; 1.E.154.166; 1.E.154.169; 1.E.154.172; 1.E.154.175; 1.E.154.240;
 1.E.154.244; 1.E.157.228; 1.E.157.229; 1.E.157.230; 1.E.157.231; 1.E.157.236;
 1.E.157.237; 1.E.157.238; 1.E.157.239; 1.E.157.154; 1.E.157.157; 1.E.157.166;
 5 1.E.157.169; 1.E.157.172; 1.E.157.175; 1.E.157.240; 1.E.157.244; 1.E.166.228;
 1.E.166.229; 1.E.166.230; 1.E.166.231; 1.E.166.236; 1.E.166.237; 1.E.166.238;
 1.E.166.239; 1.E.166.154; 1.E.166.157; 1.E.166.166; 1.E.166.169; 1.E.166.172;
 1.E.166.175; 1.E.166.240; 1.E.166.244; 1.E.169.228; 1.E.169.229; 1.E.169.230;
 1.E.169.231; 1.E.169.236; 1.E.169.237; 1.E.169.238; 1.E.169.239; 1.E.169.154;
 10 1.E.169.157; 1.E.169.166; 1.E.169.169; 1.E.169.172; 1.E.169.175; 1.E.169.240;
 1.E.169.244; 1.E.172.228; 1.E.172.229; 1.E.172.230; 1.E.172.231; 1.E.172.236;
 1.E.172.237; 1.E.172.238; 1.E.172.239; 1.E.172.154; 1.E.172.157; 1.E.172.166;
 1.E.172.169; 1.E.172.172; 1.E.172.175; 1.E.172.240; 1.E.172.244; 1.E.175.228;
 1.E.175.229; 1.E.175.230; 1.E.175.231; 1.E.175.236; 1.E.175.237; 1.E.175.238;
 15 1.E.175.239; 1.E.175.154; 1.E.175.157; 1.E.175.166; 1.E.175.169; 1.E.175.172;
 1.E.175.175; 1.E.175.240; 1.E.175.244; 1.E.240.228; 1.E.240.229; 1.E.240.230;
 1.E.240.231; 1.E.240.236; 1.E.240.237; 1.E.240.238; 1.E.240.239; 1.E.240.154;
 1.E.240.157; 1.E.240.166; 1.E.240.169; 1.E.240.172; 1.E.240.175; 1.E.240.240;
 1.E.240.244; 1.E.244.228; 1.E.244.229; 1.E.244.230; 1.E.244.231; 1.E.244.236;
 20 1.E.244.237; 1.E.244.238; 1.E.244.239; 1.E.244.154; 1.E.244.157; 1.E.244.166;
 1.E.244.169; 1.E.244.172; 1.E.244.175; 1.E.244.240; 1.E.244.244;

Prodrugs of 1.G

- 1.G.228.228; 1.G.228.229; 1.G.228.230; 1.G.228.231; 1.G.228.236;
 25 1.G.228.237; 1.G.228.238; 1.G.228.239; 1.G.228.154; 1.G.228.157;
 1.G.228.166; 1.G.228.169; 1.G.228.172; 1.G.228.175; 1.G.228.240;
 1.G.228.244; 1.G.229.228; 1.G.229.229; 1.G.229.230; 1.G.229.231;
 1.G.229.236; 1.G.229.237; 1.G.229.238; 1.G.229.239; 1.G.229.154;
 1.G.229.157; 1.G.229.166; 1.G.229.169; 1.G.229.172; 1.G.229.175;
 30 1.G.229.240; 1.G.229.244; 1.G.230.228; 1.G.230.229; 1.G.230.230;
 1.G.230.231; 1.G.230.236; 1.G.230.237; 1.G.230.238; 1.G.230.239;

1.G.230.154; 1.G.230.157; 1.G.230.166; 1.G.230.169; 1.G.230.172;
1.G.230.175; 1.G.230.240; 1.G.230.244; 1.G.231.228; 1.G.231.229;
1.G.231.230; 1.G.231.231; 1.G.231.236; 1.G.231.237; 1.G.231.238;
1.G.231.239; 1.G.231.154; 1.G.231.157; 1.G.231.166; 1.G.231.169;
5 1.G.231.172; 1.G.231.175; 1.G.231.240; 1.G.231.244; 1.G.236.228;
1.G.236.229; 1.G.236.230; 1.G.236.231; 1.G.236.236; 1.G.236.237;
1.G.236.238; 1.G.236.239; 1.G.236.154; 1.G.236.157; 1.G.236.166;
1.G.236.169; 1.G.236.172; 1.G.236.175; 1.G.236.240; 1.G.236.244;
1.G.237.228; 1.G.237.229; 1.G.237.230; 1.G.237.231; 1.G.237.236;
10 1.G.237.237; 1.G.237.238; 1.G.237.239; 1.G.237.154; 1.G.237.157;
1.G.237.166; 1.G.237.169; 1.G.237.172; 1.G.237.175; 1.G.237.240;
1.G.237.244; 1.G.238.228; 1.G.238.229; 1.G.238.230; 1.G.238.231;
1.G.238.236; 1.G.238.237; 1.G.238.238; 1.G.238.239; 1.G.238.154;
1.G.238.157; 1.G.238.166; 1.G.238.169; 1.G.238.172; 1.G.238.175;
15 1.G.238.240; 1.G.238.244; 1.G.239.228; 1.G.239.229; 1.G.239.230;
1.G.239.231; 1.G.239.236; 1.G.239.237; 1.G.239.238; 1.G.239.239;
1.G.239.154; 1.G.239.157; 1.G.239.166; 1.G.239.169; 1.G.239.172;
1.G.239.175; 1.G.239.240; 1.G.239.244; 1.G.154.228; 1.G.154.229;
1.G.154.230; 1.G.154.231; 1.G.154.236; 1.G.154.237; 1.G.154.238;
20 1.G.154.239; 1.G.154.154; 1.G.154.157; 1.G.154.166; 1.G.154.169;
1.G.154.172; 1.G.154.175; 1.G.154.240; 1.G.154.244; 1.G.157.228;
1.G.157.229; 1.G.157.230; 1.G.157.231; 1.G.157.236; 1.G.157.237;
1.G.157.238; 1.G.157.239; 1.G.157.154; 1.G.157.157; 1.G.157.166;
1.G.157.169; 1.G.157.172; 1.G.157.175; 1.G.157.240; 1.G.157.244;
25 1.G.166.228; 1.G.166.229; 1.G.166.230; 1.G.166.231; 1.G.166.236;
1.G.166.237; 1.G.166.238; 1.G.166.239; 1.G.166.154; 1.G.166.157;
1.G.166.166; 1.G.166.169; 1.G.166.172; 1.G.166.175; 1.G.166.240;
1.G.166.244; 1.G.169.228; 1.G.169.229; 1.G.169.230; 1.G.169.231;
1.G.169.236; 1.G.169.237; 1.G.169.238; 1.G.169.239; 1.G.169.154;
30 1.G.169.157; 1.G.169.166; 1.G.169.169; 1.G.169.172; 1.G.169.175;
1.G.169.240; 1.G.169.244; 1.G.172.228; 1.G.172.229; 1.G.172.230;

1.G.172.231; 1.G.172.236; 1.G.172.237; 1.G.172.238; 1.G.172.239;
 1.G.172.154; 1.G.172.157; 1.G.172.166; 1.G.172.169; 1.G.172.172;
 1.G.172.175; 1.G.172.240; 1.G.172.244; 1.G.175.228; 1.G.175.229;
 1.G.175.230; 1.G.175.231; 1.G.175.236; 1.G.175.237; 1.G.175.238;
 5 1.G.175.239; 1.G.175.154; 1.G.175.157; 1.G.175.166; 1.G.175.169;
 1.G.175.172; 1.G.175.175; 1.G.175.240; 1.G.175.244; 1.G.240.228;
 1.G.240.229; 1.G.240.230; 1.G.240.231; 1.G.240.236; 1.G.240.237;
 1.G.240.238; 1.G.240.239; 1.G.240.154; 1.G.240.157; 1.G.240.166;
 1.G.240.169; 1.G.240.172; 1.G.240.175; 1.G.240.240; 1.G.240.244;
 10 1.G.244.228; 1.G.244.229; 1.G.244.230; 1.G.244.231; 1.G.244.236;
 1.G.244.237; 1.G.244.238; 1.G.244.239; 1.G.244.154; 1.G.244.157;
 1.G.244.166; 1.G.244.169; 1.G.244.172; 1.G.244.175; 1.G.244.240;
 1.G.244.244;

15 Prodrugs of 1.I

1.I.228.228; 1.I.228.229; 1.I.228.230; 1.I.228.231; 1.I.228.236; 1.I.228.237;
 1.I.228.238; 1.I.228.239; 1.I.228.154; 1.I.228.157; 1.I.228.166; 1.I.228.169;
 1.I.228.172; 1.I.228.175; 1.I.228.240; 1.I.228.244; 1.I.229.228; 1.I.229.229;
 1.I.229.230; 1.I.229.231; 1.I.229.236; 1.I.229.237; 1.I.229.238; 1.I.229.239;
 20 1.I.229.154; 1.I.229.157; 1.I.229.166; 1.I.229.169; 1.I.229.172; 1.I.229.175;
 1.I.229.240; 1.I.229.244; 1.I.230.228; 1.I.230.229; 1.I.230.230; 1.I.230.231;
 1.I.230.236; 1.I.230.237; 1.I.230.238; 1.I.230.239; 1.I.230.154; 1.I.230.157;
 1.I.230.166; 1.I.230.169; 1.I.230.172; 1.I.230.175; 1.I.230.240; 1.I.230.244;
 1.I.231.228; 1.I.231.229; 1.I.231.230; 1.I.231.231; 1.I.231.236; 1.I.231.237;
 25 1.I.231.238; 1.I.231.239; 1.I.231.154; 1.I.231.157; 1.I.231.166; 1.I.231.169;
 1.I.231.172; 1.I.231.175; 1.I.231.240; 1.I.231.244; 1.I.236.228; 1.I.236.229;
 1.I.236.230; 1.I.236.231; 1.I.236.236; 1.I.236.237; 1.I.236.238; 1.I.236.239;
 1.I.236.154; 1.I.236.157; 1.I.236.166; 1.I.236.169; 1.I.236.172; 1.I.236.175;
 1.I.236.240; 1.I.236.244; 1.I.237.228; 1.I.237.229; 1.I.237.230; 1.I.237.231;
 30 1.I.237.236; 1.I.237.237; 1.I.237.238; 1.I.237.239; 1.I.237.154; 1.I.237.157;
 1.I.237.166; 1.I.237.169; 1.I.237.172; 1.I.237.175; 1.I.237.240; 1.I.237.244;

- 1.I.238.228; 1.I.238.229; 1.I.238.230; 1.I.238.231; 1.I.238.236; 1.I.238.237;
 1.I.238.238; 1.I.238.239; 1.I.238.154; 1.I.238.157; 1.I.238.166; 1.I.238.169;
 1.I.238.172; 1.I.238.175; 1.I.238.240; 1.I.238.244; 1.I.239.228; 1.I.239.229;
 1.I.239.230; 1.I.239.231; 1.I.239.236; 1.I.239.237; 1.I.239.238; 1.I.239.239;
 5 1.I.239.154; 1.I.239.157; 1.I.239.166; 1.I.239.169; 1.I.239.172; 1.I.239.175;
 1.I.239.240; 1.I.239.244; 1.I.154.228; 1.I.154.229; 1.I.154.230; 1.I.154.231;
 1.I.154.236; 1.I.154.237; 1.I.154.238; 1.I.154.239; 1.I.154.154; 1.I.154.157;
 1.I.154.166; 1.I.154.169; 1.I.154.172; 1.I.154.175; 1.I.154.240; 1.I.154.244;
 1.I.157.228; 1.I.157.229; 1.I.157.230; 1.I.157.231; 1.I.157.236; 1.I.157.237;
 10 1.I.157.238; 1.I.157.239; 1.I.157.154; 1.I.157.157; 1.I.157.166; 1.I.157.169;
 1.I.157.172; 1.I.157.175; 1.I.157.240; 1.I.157.244; 1.I.166.228; 1.I.166.229;
 1.I.166.230; 1.I.166.231; 1.I.166.236; 1.I.166.237; 1.I.166.238; 1.I.166.239;
 1.I.166.154; 1.I.166.157; 1.I.166.166; 1.I.166.169; 1.I.166.172; 1.I.166.175;
 1.I.166.240; 1.I.166.244; 1.I.169.228; 1.I.169.229; 1.I.169.230; 1.I.169.231;
 15 1.I.169.236; 1.I.169.237; 1.I.169.238; 1.I.169.239; 1.I.169.154; 1.I.169.157;
 1.I.169.166; 1.I.169.169; 1.I.169.172; 1.I.169.175; 1.I.169.240; 1.I.169.244;
 1.I.172.228; 1.I.172.229; 1.I.172.230; 1.I.172.231; 1.I.172.236; 1.I.172.237;
 1.I.172.238; 1.I.172.239; 1.I.172.154; 1.I.172.157; 1.I.172.166; 1.I.172.169;
 1.I.172.172; 1.I.172.175; 1.I.172.240; 1.I.172.244; 1.I.175.228; 1.I.175.229;
 20 1.I.175.230; 1.I.175.231; 1.I.175.236; 1.I.175.237; 1.I.175.238; 1.I.175.239;
 1.I.175.154; 1.I.175.157; 1.I.175.166; 1.I.175.169; 1.I.175.172; 1.I.175.175;
 1.I.175.240; 1.I.175.244; 1.I.240.228; 1.I.240.229; 1.I.240.230; 1.I.240.231;
 1.I.240.236; 1.I.240.237; 1.I.240.238; 1.I.240.239; 1.I.240.154; 1.I.240.157;
 1.I.240.166; 1.I.240.169; 1.I.240.172; 1.I.240.175; 1.I.240.240; 1.I.240.244;
 25 1.I.244.228; 1.I.244.229; 1.I.244.230; 1.I.244.231; 1.I.244.236; 1.I.244.237;
 1.I.244.238; 1.I.244.239; 1.I.244.154; 1.I.244.157; 1.I.244.166; 1.I.244.169;
 1.I.244.172; 1.I.244.175; 1.I.244.240; 1.I.244.244;

Prodrugs of 1.I

- 30 1.J.228.228; 1.J.228.229; 1.J.228.230; 1.J.228.231; 1.J.228.236; 1.J.228.237;
 1.J.228.238; 1.J.228.239; 1.J.228.154; 1.J.228.157; 1.J.228.166; 1.J.228.169;

1.J.228.172; 1.J.228.175; 1.J.228.240; 1.J.228.244; 1.J.229.228; 1.J.229.229;
1.J.229.230; 1.J.229.231; 1.J.229.236; 1.J.229.237; 1.J.229.238; 1.J.229.239;
1.J.229.154; 1.J.229.157; 1.J.229.166; 1.J.229.169; 1.J.229.172; 1.J.229.175;
1.J.229.240; 1.J.229.244; 1.J.230.228; 1.J.230.229; 1.J.230.230; 1.J.230.231;
5 1.J.230.236; 1.J.230.237; 1.J.230.238; 1.J.230.239; 1.J.230.154; 1.J.230.157;
1.J.230.166; 1.J.230.169; 1.J.230.172; 1.J.230.175; 1.J.230.240; 1.J.230.244;
1.J.231.228; 1.J.231.229; 1.J.231.230; 1.J.231.231; 1.J.231.236; 1.J.231.237;
1.J.231.238; 1.J.231.239; 1.J.231.154; 1.J.231.157; 1.J.231.166; 1.J.231.169;
1.J.231.172; 1.J.231.175; 1.J.231.240; 1.J.231.244; 1.J.236.228; 1.J.236.229;
10 1.J.236.230; 1.J.236.231; 1.J.236.236; 1.J.236.237; 1.J.236.238; 1.J.236.239;
1.J.236.154; 1.J.236.157; 1.J.236.166; 1.J.236.169; 1.J.236.172; 1.J.236.175;
1.J.236.240; 1.J.236.244; 1.J.237.228; 1.J.237.229; 1.J.237.230; 1.J.237.231;
1.J.237.236; 1.J.237.237; 1.J.237.238; 1.J.237.239; 1.J.237.154; 1.J.237.157;
1.J.237.166; 1.J.237.169; 1.J.237.172; 1.J.237.175; 1.J.237.240; 1.J.237.244;
15 1.J.238.228; 1.J.238.229; 1.J.238.230; 1.J.238.231; 1.J.238.236; 1.J.238.237;
1.J.238.238; 1.J.238.239; 1.J.238.154; 1.J.238.157; 1.J.238.166; 1.J.238.169;
1.J.238.172; 1.J.238.175; 1.J.238.240; 1.J.238.244; 1.J.239.228; 1.J.239.229;
1.J.239.230; 1.J.239.231; 1.J.239.236; 1.J.239.237; 1.J.239.238; 1.J.239.239;
1.J.239.154; 1.J.239.157; 1.J.239.166; 1.J.239.169; 1.J.239.172; 1.J.239.175;
20 1.J.239.240; 1.J.239.244; 1.J.154.228; 1.J.154.229; 1.J.154.230; 1.J.154.231;
1.J.154.236; 1.J.154.237; 1.J.154.238; 1.J.154.239; 1.J.154.154; 1.J.154.157;
1.J.154.166; 1.J.154.169; 1.J.154.172; 1.J.154.175; 1.J.154.240; 1.J.154.244;
1.J.157.228; 1.J.157.229; 1.J.157.230; 1.J.157.231; 1.J.157.236; 1.J.157.237;
1.J.157.238; 1.J.157.239; 1.J.157.154; 1.J.157.157; 1.J.157.166; 1.J.157.169;
25 1.J.157.172; 1.J.157.175; 1.J.157.240; 1.J.157.244; 1.J.166.228; 1.J.166.229;
1.J.166.230; 1.J.166.231; 1.J.166.236; 1.J.166.237; 1.J.166.238; 1.J.166.239;
1.J.166.154; 1.J.166.157; 1.J.166.166; 1.J.166.169; 1.J.166.172; 1.J.166.175;
1.J.166.240; 1.J.166.244; 1.J.169.228; 1.J.169.229; 1.J.169.230; 1.J.169.231;
1.J.169.236; 1.J.169.237; 1.J.169.238; 1.J.169.239; 1.J.169.154; 1.J.169.157;
30 1.J.169.166; 1.J.169.169; 1.J.169.172; 1.J.169.175; 1.J.169.240; 1.J.169.244;
1.J.172.228; 1.J.172.229; 1.J.172.230; 1.J.172.231; 1.J.172.236; 1.J.172.237;

1.J.172.238; 1.J.172.239; 1.J.172.154; 1.J.172.157; 1.J.172.166; 1.J.172.169;
1.J.172.172; 1.J.172.175; 1.J.172.240; 1.J.172.244; 1.J.175.228; 1.J.175.229;
1.J.175.230; 1.J.175.231; 1.J.175.236; 1.J.175.237; 1.J.175.238; 1.J.175.239;
1.J.175.154; 1.J.175.157; 1.J.175.166; 1.J.175.169; 1.J.175.172; 1.J.175.175;
5 1.J.175.240; 1.J.175.244; 1.J.240.228; 1.J.240.229; 1.J.240.230; 1.J.240.231;
1.J.240.236; 1.J.240.237; 1.J.240.238; 1.J.240.239; 1.J.240.154; 1.J.240.157;
1.J.240.166; 1.J.240.169; 1.J.240.172; 1.J.240.175; 1.J.240.240; 1.J.240.244;
1.J.244.228; 1.J.244.229; 1.J.244.230; 1.J.244.231; 1.J.244.236; 1.J.244.237;
1.J.244.238; 1.J.244.239; 1.J.244.154; 1.J.244.157; 1.J.244.166; 1.J.244.169;
10 1.J.244.172; 1.J.244.175; 1.J.244.240; 1.J.244.244;

Prodrugs of 1.L

1.L.228.228; 1.L.228.229; 1.L.228.230; 1.L.228.231; 1.L.228.236;
1.L.228.237; 1.L.228.238; 1.L.228.239; 1.L.228.154; 1.L.228.157; 1.L.228.166;
15 1.L.228.169; 1.L.228.172; 1.L.228.175; 1.L.228.240; 1.L.228.244; 1.L.229.228;
1.L.229.229; 1.L.229.230; 1.L.229.231; 1.L.229.236; 1.L.229.237; 1.L.229.238;
1.L.229.239; 1.L.229.154; 1.L.229.157; 1.L.229.166; 1.L.229.169; 1.L.229.172;
1.L.229.175; 1.L.229.240; 1.L.229.244; 1.L.230.228; 1.L.230.229; 1.L.230.230;
1.L.230.231; 1.L.230.236; 1.L.230.237; 1.L.230.238; 1.L.230.239; 1.L.230.154;
20 1.L.230.157; 1.L.230.166; 1.L.230.169; 1.L.230.172; 1.L.230.175; 1.L.230.240;
1.L.230.244; 1.L.231.228; 1.L.231.229; 1.L.231.230; 1.L.231.231; 1.L.231.236;
1.L.231.237; 1.L.231.238; 1.L.231.239; 1.L.231.154; 1.L.231.157; 1.L.231.166;
1.L.231.169; 1.L.231.172; 1.L.231.175; 1.L.231.240; 1.L.231.244; 1.L.236.228;
1.L.236.229; 1.L.236.230; 1.L.236.231; 1.L.236.236; 1.L.236.237; 1.L.236.238;
25 1.L.236.239; 1.L.236.154; 1.L.236.157; 1.L.236.166; 1.L.236.169; 1.L.236.172;
1.L.236.175; 1.L.236.240; 1.L.236.244; 1.L.237.228; 1.L.237.229; 1.L.237.230;
1.L.237.231; 1.L.237.236; 1.L.237.237; 1.L.237.238; 1.L.237.239; 1.L.237.154;
1.L.237.157; 1.L.237.166; 1.L.237.169; 1.L.237.172; 1.L.237.175; 1.L.237.240;
1.L.237.244; 1.L.238.228; 1.L.238.229; 1.L.238.230; 1.L.238.231; 1.L.238.236;
30 1.L.238.237; 1.L.238.238; 1.L.238.239; 1.L.238.154; 1.L.238.157; 1.L.238.166;
1.L.238.169; 1.L.238.172; 1.L.238.175; 1.L.238.240; 1.L.238.244; 1.L.239.228;

- 1.L.239.229; 1.L.239.230; 1.L.239.231; 1.L.239.236; 1.L.239.237; 1.L.239.238;
1.L.239.239; 1.L.239.154; 1.L.239.157; 1.L.239.166; 1.L.239.169; 1.L.239.172;
1.L.239.175; 1.L.239.240; 1.L.239.244; 1.L.154.228; 1.L.154.229; 1.L.154.230;
1.L.154.231; 1.L.154.236; 1.L.154.237; 1.L.154.238; 1.L.154.239; 1.L.154.154;
5 1.L.154.157; 1.L.154.166; 1.L.154.169; 1.L.154.172; 1.L.154.175; 1.L.154.240;
1.L.154.244; 1.L.157.228; 1.L.157.229; 1.L.157.230; 1.L.157.231; 1.L.157.236;
1.L.157.237; 1.L.157.238; 1.L.157.239; 1.L.157.154; 1.L.157.157; 1.L.157.166;
1.L.157.169; 1.L.157.172; 1.L.157.175; 1.L.157.240; 1.L.157.244; 1.L.166.228;
1.L.166.229; 1.L.166.230; 1.L.166.231; 1.L.166.236; 1.L.166.237; 1.L.166.238;
10 1.L.166.239; 1.L.166.154; 1.L.166.157; 1.L.166.166; 1.L.166.169; 1.L.166.172;
1.L.166.175; 1.L.166.240; 1.L.166.244; 1.L.169.228; 1.L.169.229; 1.L.169.230;
1.L.169.231; 1.L.169.236; 1.L.169.237; 1.L.169.238; 1.L.169.239; 1.L.169.154;
1.L.169.157; 1.L.169.166; 1.L.169.169; 1.L.169.172; 1.L.169.175; 1.L.169.240;
1.L.169.244; 1.L.172.228; 1.L.172.229; 1.L.172.230; 1.L.172.231; 1.L.172.236;
15 1.L.172.237; 1.L.172.238; 1.L.172.239; 1.L.172.154; 1.L.172.157; 1.L.172.166;
1.L.172.169; 1.L.172.172; 1.L.172.175; 1.L.172.240; 1.L.172.244; 1.L.175.228;
1.L.175.229; 1.L.175.230; 1.L.175.231; 1.L.175.236; 1.L.175.237; 1.L.175.238;
1.L.175.239; 1.L.175.154; 1.L.175.157; 1.L.175.166; 1.L.175.169; 1.L.175.172;
1.L.175.175; 1.L.175.240; 1.L.175.244; 1.L.240.228; 1.L.240.229; 1.L.240.230;
20 1.L.240.231; 1.L.240.236; 1.L.240.237; 1.L.240.238; 1.L.240.239; 1.L.240.154;
1.L.240.157; 1.L.240.166; 1.L.240.169; 1.L.240.172; 1.L.240.175; 1.L.240.240;
1.L.240.244; 1.L.244.228; 1.L.244.229; 1.L.244.230; 1.L.244.231; 1.L.244.236;
1.L.244.237; 1.L.244.238; 1.L.244.239; 1.L.244.154; 1.L.244.157; 1.L.244.166;
1.L.244.169; 1.L.244.172; 1.L.244.175; 1.L.244.240; 1.L.244.244;

25

Prodrugs of 1.O

- 1.O.228.228; 1.O.228.229; 1.O.228.230; 1.O.228.231; 1.O.228.236;
1.O.228.237; 1.O.228.238; 1.O.228.239; 1.O.228.154; 1.O.228.157;
1.O.228.166; 1.O.228.169; 1.O.228.172; 1.O.228.175; 1.O.228.240;
30 1.O.228.244; 1.O.229.228; 1.O.229.229; 1.O.229.230; 1.O.229.231;
1.O.229.236; 1.O.229.237; 1.O.229.238; 1.O.229.239; 1.O.229.154;

- 1.O.229.157; 1.O.229.166; 1.O.229.169; 1.O.229.172; 1.O.229.175;
1.O.229.240; 1.O.229.244; 1.O.230.228; 1.O.230.229; 1.O.230.230;
1.O.230.231; 1.O.230.236; 1.O.230.237; 1.O.230.238; 1.O.230.239;
1.O.230.154; 1.O.230.157; 1.O.230.166; 1.O.230.169; 1.O.230.172;
5 1.O.230.175; 1.O.230.240; 1.O.230.244; 1.O.231.228; 1.O.231.229;
1.O.231.230; 1.O.231.231; 1.O.231.236; 1.O.231.237; 1.O.231.238;
1.O.231.239; 1.O.231.154; 1.O.231.157; 1.O.231.166; 1.O.231.169;
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10 1.O.236.238; 1.O.236.239; 1.O.236.154; 1.O.236.157; 1.O.236.166;
1.O.236.169; 1.O.236.172; 1.O.236.175; 1.O.236.240; 1.O.236.244;
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15 1.O.237.244; 1.O.238.228; 1.O.238.229; 1.O.238.230; 1.O.238.231;
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20 1.O.239.154; 1.O.239.157; 1.O.239.166; 1.O.239.169; 1.O.239.172;
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1.O.154.230; 1.O.154.231; 1.O.154.236; 1.O.154.237; 1.O.154.238;
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1.O.154.172; 1.O.154.175; 1.O.154.240; 1.O.154.244; 1.O.157.228;
25 1.O.157.229; 1.O.157.230; 1.O.157.231; 1.O.157.236; 1.O.157.237;
1.O.157.238; 1.O.157.239; 1.O.157.154; 1.O.157.157; 1.O.157.166;
1.O.157.169; 1.O.157.172; 1.O.157.175; 1.O.157.240; 1.O.157.244;
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30 1.O.166.166; 1.O.166.169; 1.O.166.172; 1.O.166.175; 1.O.166.240;
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1.O.169.240; 1.O.169.244; 1.O.172.228; 1.O.172.229; 1.O.172.230;
1.O.172.231; 1.O.172.236; 1.O.172.237; 1.O.172.238; 1.O.172.239;
5 1.O.172.154; 1.O.172.157; 1.O.172.166; 1.O.172.169; 1.O.172.172;
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1.O.175.230; 1.O.175.231; 1.O.175.236; 1.O.175.237; 1.O.175.238;
1.O.175.239; 1.O.175.154; 1.O.175.157; 1.O.175.166; 1.O.175.169;
1.O.175.172; 1.O.175.175; 1.O.175.240; 1.O.175.244; 1.O.240.228;
10 1.O.240.229; 1.O.240.230; 1.O.240.231; 1.O.240.236; 1.O.240.237;
1.O.240.238; 1.O.240.239; 1.O.240.154; 1.O.240.157; 1.O.240.166;
1.O.240.169; 1.O.240.172; 1.O.240.175; 1.O.240.240; 1.O.240.244;
1.O.244.228; 1.O.244.229; 1.O.244.230; 1.O.244.231; 1.O.244.236;
1.O.244.237; 1.O.244.238; 1.O.244.239; 1.O.244.154; 1.O.244.157;
15 1.O.244.166; 1.O.244.169; 1.O.244.172; 1.O.244.175; 1.O.244.240;
1.O.244.244;

Prodrugs of 1.P

1.P.228.228; 1.P.228.229; 1.P.228.230; 1.P.228.231; 1.P.228.236;
20 1.P.228.237; 1.P.228.238; 1.P.228.239; 1.P.228.154; 1.P.228.157; 1.P.228.166;
1.P.228.169; 1.P.228.172; 1.P.228.175; 1.P.228.240; 1.P.228.244; 1.P.229.228;
1.P.229.229; 1.P.229.230; 1.P.229.231; 1.P.229.236; 1.P.229.237; 1.P.229.238;
1.P.229.239; 1.P.229.154; 1.P.229.157; 1.P.229.166; 1.P.229.169; 1.P.229.172;
1.P.229.175; 1.P.229.240; 1.P.229.244; 1.P.230.228; 1.P.230.229; 1.P.230.230;
25 1.P.230.231; 1.P.230.236; 1.P.230.237; 1.P.230.238; 1.P.230.239; 1.P.230.154;
1.P.230.157; 1.P.230.166; 1.P.230.169; 1.P.230.172; 1.P.230.175; 1.P.230.240;
1.P.230.244; 1.P.231.228; 1.P.231.229; 1.P.231.230; 1.P.231.231; 1.P.231.236;
1.P.231.237; 1.P.231.238; 1.P.231.239; 1.P.231.154; 1.P.231.157; 1.P.231.166;
1.P.231.169; 1.P.231.172; 1.P.231.175; 1.P.231.240; 1.P.231.244; 1.P.236.228;
30 1.P.236.229; 1.P.236.230; 1.P.236.231; 1.P.236.236; 1.P.236.237; 1.P.236.238;
1.P.236.239; 1.P.236.154; 1.P.236.157; 1.P.236.166; 1.P.236.169; 1.P.236.172;

1.P.236.175; 1.P.236.240; 1.P.236.244; 1.P.237.228; 1.P.237.229; 1.P.237.230;
1.P.237.231; 1.P.237.236; 1.P.237.237; 1.P.237.238; 1.P.237.239; 1.P.237.154;
1.P.237.157; 1.P.237.166; 1.P.237.169; 1.P.237.172; 1.P.237.175; 1.P.237.240;
1.P.237.244; 1.P.238.228; 1.P.238.229; 1.P.238.230; 1.P.238.231; 1.P.238.236;
5 1.P.238.237; 1.P.238.238; 1.P.238.239; 1.P.238.154; 1.P.238.157; 1.P.238.166;
1.P.238.169; 1.P.238.172; 1.P.238.175; 1.P.238.240; 1.P.238.244; 1.P.239.228;
1.P.239.229; 1.P.239.230; 1.P.239.231; 1.P.239.236; 1.P.239.237; 1.P.239.238;
1.P.239.239; 1.P.239.154; 1.P.239.157; 1.P.239.166; 1.P.239.169; 1.P.239.172;
1.P.239.175; 1.P.239.240; 1.P.239.244; 1.P.154.228; 1.P.154.229; 1.P.154.230;
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1.P.154.244; 1.P.157.228; 1.P.157.229; 1.P.157.230; 1.P.157.231; 1.P.157.236;
1.P.157.237; 1.P.157.238; 1.P.157.239; 1.P.157.154; 1.P.157.157; 1.P.157.166;
1.P.157.169; 1.P.157.172; 1.P.157.175; 1.P.157.240; 1.P.157.244; 1.P.166.228;
15 1.P.166.229; 1.P.166.230; 1.P.166.231; 1.P.166.236; 1.P.166.237; 1.P.166.238;
1.P.166.239; 1.P.166.154; 1.P.166.157; 1.P.166.166; 1.P.166.169; 1.P.166.172;
1.P.166.175; 1.P.166.240; 1.P.166.244; 1.P.169.228; 1.P.169.229; 1.P.169.230;
1.P.169.231; 1.P.169.236; 1.P.169.237; 1.P.169.238; 1.P.169.239; 1.P.169.154;
1.P.169.157; 1.P.169.166; 1.P.169.169; 1.P.169.172; 1.P.169.175; 1.P.169.240;
20 1.P.169.244; 1.P.172.228; 1.P.172.229; 1.P.172.230; 1.P.172.231; 1.P.172.236;
1.P.172.237; 1.P.172.238; 1.P.172.239; 1.P.172.154; 1.P.172.157; 1.P.172.166;
1.P.172.169; 1.P.172.172; 1.P.172.175; 1.P.172.240; 1.P.172.244; 1.P.175.228;
1.P.175.229; 1.P.175.230; 1.P.175.231; 1.P.175.236; 1.P.175.237; 1.P.175.238;
1.P.175.239; 1.P.175.154; 1.P.175.157; 1.P.175.166; 1.P.175.169; 1.P.175.172;
25 1.P.175.175; 1.P.175.240; 1.P.175.244; 1.P.240.228; 1.P.240.229; 1.P.240.230;
1.P.240.231; 1.P.240.236; 1.P.240.237; 1.P.240.238; 1.P.240.239; 1.P.240.154;
1.P.240.157; 1.P.240.166; 1.P.240.169; 1.P.240.172; 1.P.240.175; 1.P.240.240;
1.P.240.244; 1.P.244.228; 1.P.244.229; 1.P.244.230; 1.P.244.231; 1.P.244.236;
1.P.244.237; 1.P.244.238; 1.P.244.239; 1.P.244.154; 1.P.244.157; 1.P.244.166;
30 1.P.244.169; 1.P.244.172; 1.P.244.175; 1.P.244.240; 1.P.244.244;

Prodrugs of 1.U

- 1.U.228.228; 1.U.228.229; 1.U.228.230; 1.U.228.231; 1.U.228.236;
1.U.228.237; 1.U.228.238; 1.U.228.239; 1.U.228.154; 1.U.228.157;
1.U.228.166; 1.U.228.169; 1.U.228.172; 1.U.228.175; 1.U.228.240;
5 1.U.228.244; 1.U.229.228; 1.U.229.229; 1.U.229.230; 1.U.229.231;
1.U.229.236; 1.U.229.237; 1.U.229.238; 1.U.229.239; 1.U.229.154;
1.U.229.157; 1.U.229.166; 1.U.229.169; 1.U.229.172; 1.U.229.175;
1.U.229.240; 1.U.229.244; 1.U.230.228; 1.U.230.229; 1.U.230.230;
1.U.230.231; 1.U.230.236; 1.U.230.237; 1.U.230.238; 1.U.230.239;
10 1.U.230.154; 1.U.230.157; 1.U.230.166; 1.U.230.169; 1.U.230.172;
1.U.230.175; 1.U.230.240; 1.U.230.244; 1.U.231.228; 1.U.231.229;
1.U.231.230; 1.U.231.231; 1.U.231.236; 1.U.231.237; 1.U.231.238;
1.U.231.239; 1.U.231.154; 1.U.231.157; 1.U.231.166; 1.U.231.169;
1.U.231.172; 1.U.231.175; 1.U.231.240; 1.U.231.244; 1.U.236.228;
15 1.U.236.229; 1.U.236.230; 1.U.236.231; 1.U.236.236; 1.U.236.237;
1.U.236.238; 1.U.236.239; 1.U.236.154; 1.U.236.157; 1.U.236.166;
1.U.236.169; 1.U.236.172; 1.U.236.175; 1.U.236.240; 1.U.236.244;
1.U.237.228; 1.U.237.229; 1.U.237.230; 1.U.237.231; 1.U.237.236;
1.U.237.237; 1.U.237.238; 1.U.237.239; 1.U.237.154; 1.U.237.157;
20 1.U.237.166; 1.U.237.169; 1.U.237.172; 1.U.237.175; 1.U.237.240;
1.U.237.244; 1.U.238.228; 1.U.238.229; 1.U.238.230; 1.U.238.231;
1.U.238.236; 1.U.238.237; 1.U.238.238; 1.U.238.239; 1.U.238.154;
1.U.238.157; 1.U.238.166; 1.U.238.169; 1.U.238.172; 1.U.238.175;
1.U.238.240; 1.U.238.244; 1.U.239.228; 1.U.239.229; 1.U.239.230;
25 1.U.239.231; 1.U.239.236; 1.U.239.237; 1.U.239.238; 1.U.239.239;
1.U.239.154; 1.U.239.157; 1.U.239.166; 1.U.239.169; 1.U.239.172;
1.U.239.175; 1.U.239.240; 1.U.239.244; 1.U.154.228; 1.U.154.229;
1.U.154.230; 1.U.154.231; 1.U.154.236; 1.U.154.237; 1.U.154.238;
1.U.154.239; 1.U.154.154; 1.U.154.157; 1.U.154.166; 1.U.154.169;
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1.U.157.229; 1.U.157.230; 1.U.157.231; 1.U.157.236; 1.U.157.237;

1.U.157.238; 1.U.157.239; 1.U.157.154; 1.U.157.157; 1.U.157.166;
 1.U.157.169; 1.U.157.172; 1.U.157.175; 1.U.157.240; 1.U.157.244;
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 1.U.166.237; 1.U.166.238; 1.U.166.239; 1.U.166.154; 1.U.166.157;
 5 1.U.166.166; 1.U.166.169; 1.U.166.172; 1.U.166.175; 1.U.166.240;
 1.U.166.244; 1.U.169.228; 1.U.169.229; 1.U.169.230; 1.U.169.231;
 1.U.169.236; 1.U.169.237; 1.U.169.238; 1.U.169.239; 1.U.169.154;
 1.U.169.157; 1.U.169.166; 1.U.169.169; 1.U.169.172; 1.U.169.175;
 1.U.169.240; 1.U.169.244; 1.U.172.228; 1.U.172.229; 1.U.172.230;
 10 1.U.172.231; 1.U.172.236; 1.U.172.237; 1.U.172.238; 1.U.172.239;
 1.U.172.154; 1.U.172.157; 1.U.172.166; 1.U.172.169; 1.U.172.172;
 1.U.172.175; 1.U.172.240; 1.U.172.244; 1.U.175.228; 1.U.175.229;
 1.U.175.230; 1.U.175.231; 1.U.175.236; 1.U.175.237; 1.U.175.238;
 1.U.175.239; 1.U.175.154; 1.U.175.157; 1.U.175.166; 1.U.175.169;
 15 1.U.175.172; 1.U.175.175; 1.U.175.240; 1.U.175.244; 1.U.240.228;
 1.U.240.229; 1.U.240.230; 1.U.240.231; 1.U.240.236; 1.U.240.237;
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 1.U.240.169; 1.U.240.172; 1.U.240.175; 1.U.240.240; 1.U.240.244;
 1.U.244.228; 1.U.244.229; 1.U.244.230; 1.U.244.231; 1.U.244.236;
 20 1.U.244.237; 1.U.244.238; 1.U.244.239; 1.U.244.154; 1.U.244.157;
 1.U.244.166; 1.U.244.169; 1.U.244.172; 1.U.244.175; 1.U.244.240;
 1.U.244.244;

Prodrugs of 1.W

25 1.W.228.228; 1.W.228.229; 1.W.228.230; 1.W.228.231; 1.W.228.236;
 1.W.228.237; 1.W.228.238; 1.W.228.239; 1.W.228.154; 1.W.228.157;
 1.W.228.166; 1.W.228.169; 1.W.228.172; 1.W.228.175; 1.W.228.240;
 1.W.228.244; 1.W.229.228; 1.W.229.229; 1.W.229.230; 1.W.229.231;
 1.W.229.236; 1.W.229.237; 1.W.229.238; 1.W.229.239; 1.W.229.154;
 30 1.W.229.157; 1.W.229.166; 1.W.229.169; 1.W.229.172; 1.W.229.175;
 1.W.229.240; 1.W.229.244; 1.W.230.228; 1.W.230.229; 1.W.230.230;

1.W.230.231; 1.W.230.236; 1.W.230.237; 1.W.230.238; 1.W.230.239;
1.W.230.154; 1.W.230.157; 1.W.230.166; 1.W.230.169; 1.W.230.172;
1.W.230.175; 1.W.230.240; 1.W.230.244; 1.W.231.228; 1.W.231.229;
1.W.231.230; 1.W.231.231; 1.W.231.236; 1.W.231.237; 1.W.231.238;
5 1.W.231.239; 1.W.231.154; 1.W.231.157; 1.W.231.166; 1.W.231.169;
1.W.231.172; 1.W.231.175; 1.W.231.240; 1.W.231.244; 1.W.236.228;
1.W.236.229; 1.W.236.230; 1.W.236.231; 1.W.236.236; 1.W.236.237;
1.W.236.238; 1.W.236.239; 1.W.236.154; 1.W.236.157; 1.W.236.166;
1.W.236.169; 1.W.236.172; 1.W.236.175; 1.W.236.240; 1.W.236.244;
10 1.W.237.228; 1.W.237.229; 1.W.237.230; 1.W.237.231; 1.W.237.236;
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1.W.237.244; 1.W.238.228; 1.W.238.229; 1.W.238.230; 1.W.238.231;
1.W.238.236; 1.W.238.237; 1.W.238.238; 1.W.238.239; 1.W.238.154;
15 1.W.238.157; 1.W.238.166; 1.W.238.169; 1.W.238.172; 1.W.238.175;
1.W.238.240; 1.W.238.244; 1.W.239.228; 1.W.239.229; 1.W.239.230;
1.W.239.231; 1.W.239.236; 1.W.239.237; 1.W.239.238; 1.W.239.239;
1.W.239.154; 1.W.239.157; 1.W.239.166; 1.W.239.169; 1.W.239.172;
1.W.239.175; 1.W.239.240; 1.W.239.244; 1.W.154.228; 1.W.154.229;
20 1.W.154.230; 1.W.154.231; 1.W.154.236; 1.W.154.237; 1.W.154.238;
1.W.154.239; 1.W.154.154; 1.W.154.157; 1.W.154.166; 1.W.154.169;
1.W.154.172; 1.W.154.175; 1.W.154.240; 1.W.154.244; 1.W.157.228;
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1.W.157.238; 1.W.157.239; 1.W.157.154; 1.W.157.157; 1.W.157.166;
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1.W.166.228; 1.W.166.229; 1.W.166.230; 1.W.166.231; 1.W.166.236;
1.W.166.237; 1.W.166.238; 1.W.166.239; 1.W.166.154; 1.W.166.157;
1.W.166.166; 1.W.166.169; 1.W.166.172; 1.W.166.175; 1.W.166.240;
1.W.166.244; 1.W.169.228; 1.W.169.229; 1.W.169.230; 1.W.169.231;
30 1.W.169.236; 1.W.169.237; 1.W.169.238; 1.W.169.239; 1.W.169.154;
1.W.169.157; 1.W.169.166; 1.W.169.169; 1.W.169.172; 1.W.169.175;

- 1.W.169.240; 1.W.169.244; 1.W.172.228; 1.W.172.229; 1.W.172.230;
1.W.172.231; 1.W.172.236; 1.W.172.237; 1.W.172.238; 1.W.172.239;
1.W.172.154; 1.W.172.157; 1.W.172.166; 1.W.172.169; 1.W.172.172;
1.W.172.175; 1.W.172.240; 1.W.172.244; 1.W.175.228; 1.W.175.229;
5 1.W.175.230; 1.W.175.231; 1.W.175.236; 1.W.175.237; 1.W.175.238;
1.W.175.239; 1.W.175.154; 1.W.175.157; 1.W.175.166; 1.W.175.169;
1.W.175.172; 1.W.175.175; 1.W.175.240; 1.W.175.244; 1.W.240.228;
1.W.240.229; 1.W.240.230; 1.W.240.231; 1.W.240.236; 1.W.240.237;
1.W.240.238; 1.W.240.239; 1.W.240.154; 1.W.240.157; 1.W.240.166;
10 1.W.240.169; 1.W.240.172; 1.W.240.175; 1.W.240.240; 1.W.240.244;
1.W.244.228; 1.W.244.229; 1.W.244.230; 1.W.244.231; 1.W.244.236;
1.W.244.237; 1.W.244.238; 1.W.244.239; 1.W.244.154; 1.W.244.157;
1.W.244.166; 1.W.244.169; 1.W.244.172; 1.W.244.175; 1.W.244.240;
1.W.244.244;

15

Prodrugs of 1.Y

- 1.Y.228.228; 1.Y.228.229; 1.Y.228.230; 1.Y.228.231; 1.Y.228.236;
1.Y.228.237; 1.Y.228.238; 1.Y.228.239; 1.Y.228.154; 1.Y.228.157; 1.Y.228.166;
1.Y.228.169; 1.Y.228.172; 1.Y.228.175; 1.Y.228.240; 1.Y.228.244; 1.Y.229.228;
20 1.Y.229.229; 1.Y.229.230; 1.Y.229.231; 1.Y.229.236; 1.Y.229.237; 1.Y.229.238;
1.Y.229.239; 1.Y.229.154; 1.Y.229.157; 1.Y.229.166; 1.Y.229.169; 1.Y.229.172;
1.Y.229.175; 1.Y.229.240; 1.Y.229.244; 1.Y.230.228; 1.Y.230.229; 1.Y.230.230;
1.Y.230.231; 1.Y.230.236; 1.Y.230.237; 1.Y.230.238; 1.Y.230.239; 1.Y.230.154;
1.Y.230.157; 1.Y.230.166; 1.Y.230.169; 1.Y.230.172; 1.Y.230.175; 1.Y.230.240;
25 1.Y.230.244; 1.Y.231.228; 1.Y.231.229; 1.Y.231.230; 1.Y.231.231; 1.Y.231.236;
1.Y.231.237; 1.Y.231.238; 1.Y.231.239; 1.Y.231.154; 1.Y.231.157; 1.Y.231.166;
1.Y.231.169; 1.Y.231.172; 1.Y.231.175; 1.Y.231.240; 1.Y.231.244; 1.Y.236.228;
1.Y.236.229; 1.Y.236.230; 1.Y.236.231; 1.Y.236.236; 1.Y.236.237; 1.Y.236.238;
1.Y.236.239; 1.Y.236.154; 1.Y.236.157; 1.Y.236.166; 1.Y.236.169; 1.Y.236.172;
30 1.Y.236.175; 1.Y.236.240; 1.Y.236.244; 1.Y.237.228; 1.Y.237.229; 1.Y.237.230;
1.Y.237.231; 1.Y.237.236; 1.Y.237.237; 1.Y.237.238; 1.Y.237.239; 1.Y.237.154;

1.Y.237.157; 1.Y.237.166; 1.Y.237.169; 1.Y.237.172; 1.Y.237.175; 1.Y.237.240;
1.Y.237.244; 1.Y.238.228; 1.Y.238.229; 1.Y.238.230; 1.Y.238.231; 1.Y.238.236;
1.Y.238.237; 1.Y.238.238; 1.Y.238.239; 1.Y.238.154; 1.Y.238.157; 1.Y.238.166;
1.Y.238.169; 1.Y.238.172; 1.Y.238.175; 1.Y.238.240; 1.Y.238.244; 1.Y.239.228;
5 1.Y.239.229; 1.Y.239.230; 1.Y.239.231; 1.Y.239.236; 1.Y.239.237; 1.Y.239.238;
1.Y.239.239; 1.Y.239.154; 1.Y.239.157; 1.Y.239.166; 1.Y.239.169; 1.Y.239.172;
1.Y.239.175; 1.Y.239.240; 1.Y.239.244; 1.Y.154.228; 1.Y.154.229; 1.Y.154.230;
1.Y.154.231; 1.Y.154.236; 1.Y.154.237; 1.Y.154.238; 1.Y.154.239; 1.Y.154.154;
1.Y.154.157; 1.Y.154.166; 1.Y.154.169; 1.Y.154.172; 1.Y.154.175; 1.Y.154.240;
10 1.Y.154.244; 1.Y.157.228; 1.Y.157.229; 1.Y.157.230; 1.Y.157.231; 1.Y.157.236;
1.Y.157.237; 1.Y.157.238; 1.Y.157.239; 1.Y.157.154; 1.Y.157.157; 1.Y.157.166;
1.Y.157.169; 1.Y.157.172; 1.Y.157.175; 1.Y.157.240; 1.Y.157.244; 1.Y.166.228;
1.Y.166.229; 1.Y.166.230; 1.Y.166.231; 1.Y.166.236; 1.Y.166.237; 1.Y.166.238;
1.Y.166.239; 1.Y.166.154; 1.Y.166.157; 1.Y.166.166; 1.Y.166.169; 1.Y.166.172;
15 1.Y.166.175; 1.Y.166.240; 1.Y.166.244; 1.Y.169.228; 1.Y.169.229; 1.Y.169.230;
1.Y.169.231; 1.Y.169.236; 1.Y.169.237; 1.Y.169.238; 1.Y.169.239; 1.Y.169.154;
1.Y.169.157; 1.Y.169.166; 1.Y.169.169; 1.Y.169.172; 1.Y.169.175; 1.Y.169.240;
1.Y.169.244; 1.Y.172.228; 1.Y.172.229; 1.Y.172.230; 1.Y.172.231; 1.Y.172.236;
1.Y.172.237; 1.Y.172.238; 1.Y.172.239; 1.Y.172.154; 1.Y.172.157; 1.Y.172.166;
20 1.Y.172.169; 1.Y.172.172; 1.Y.172.175; 1.Y.172.240; 1.Y.172.244; 1.Y.175.228;
1.Y.175.229; 1.Y.175.230; 1.Y.175.231; 1.Y.175.236; 1.Y.175.237; 1.Y.175.238;
1.Y.175.239; 1.Y.175.154; 1.Y.175.157; 1.Y.175.166; 1.Y.175.169; 1.Y.175.172;
1.Y.175.175; 1.Y.175.240; 1.Y.175.244; 1.Y.240.228; 1.Y.240.229; 1.Y.240.230;
1.Y.240.231; 1.Y.240.236; 1.Y.240.237; 1.Y.240.238; 1.Y.240.239; 1.Y.240.154;
25 1.Y.240.157; 1.Y.240.166; 1.Y.240.169; 1.Y.240.172; 1.Y.240.175; 1.Y.240.240;
1.Y.240.244; 1.Y.244.228; 1.Y.244.229; 1.Y.244.230; 1.Y.244.231; 1.Y.244.236;
1.Y.244.237; 1.Y.244.238; 1.Y.244.239; 1.Y.244.154; 1.Y.244.157; 1.Y.244.166;
1.Y.244.169; 1.Y.244.172; 1.Y.244.175; 1.Y.244.240; 1.Y.244.244;

30 Prodrugs of 2.B

2.B.228.228; 2.B.228.229; 2.B.228.230; 2.B.228.231; 2.B.228.236;
2.B.228.237; 2.B.228.238; 2.B.228.239; 2.B.228.154; 2.B.228.157; 2.B.228.166;
2.B.228.169; 2.B.228.172; 2.B.228.175; 2.B.228.240; 2.B.228.244; 2.B.229.228;
2.B.229.229; 2.B.229.230; 2.B.229.231; 2.B.229.236; 2.B.229.237; 2.B.229.238;
5 2.B.229.239; 2.B.229.154; 2.B.229.157; 2.B.229.166; 2.B.229.169; 2.B.229.172;
2.B.229.175; 2.B.229.240; 2.B.229.244; 2.B.230.228; 2.B.230.229; 2.B.230.230;
2.B.230.231; 2.B.230.236; 2.B.230.237; 2.B.230.238; 2.B.230.239; 2.B.230.154;
2.B.230.157; 2.B.230.166; 2.B.230.169; 2.B.230.172; 2.B.230.175; 2.B.230.240;
2.B.230.244; 2.B.231.228; 2.B.231.229; 2.B.231.230; 2.B.231.231; 2.B.231.236;
10 2.B.231.237; 2.B.231.238; 2.B.231.239; 2.B.231.154; 2.B.231.157; 2.B.231.166;
2.B.231.169; 2.B.231.172; 2.B.231.175; 2.B.231.240; 2.B.231.244; 2.B.236.228;
2.B.236.229; 2.B.236.230; 2.B.236.231; 2.B.236.236; 2.B.236.237; 2.B.236.238;
2.B.236.239; 2.B.236.154; 2.B.236.157; 2.B.236.166; 2.B.236.169; 2.B.236.172;
2.B.236.175; 2.B.236.240; 2.B.236.244; 2.B.237.228; 2.B.237.229; 2.B.237.230;
15 2.B.237.231; 2.B.237.236; 2.B.237.237; 2.B.237.238; 2.B.237.239; 2.B.237.154;
2.B.237.157; 2.B.237.166; 2.B.237.169; 2.B.237.172; 2.B.237.175; 2.B.237.240;
2.B.237.244; 2.B.238.228; 2.B.238.229; 2.B.238.230; 2.B.238.231; 2.B.238.236;
2.B.238.237; 2.B.238.238; 2.B.238.239; 2.B.238.154; 2.B.238.157; 2.B.238.166;
2.B.238.169; 2.B.238.172; 2.B.238.175; 2.B.238.240; 2.B.238.244; 2.B.239.228;
20 2.B.239.229; 2.B.239.230; 2.B.239.231; 2.B.239.236; 2.B.239.237; 2.B.239.238;
2.B.239.239; 2.B.239.154; 2.B.239.157; 2.B.239.166; 2.B.239.169; 2.B.239.172;
2.B.239.175; 2.B.239.240; 2.B.239.244; 2.B.154.228; 2.B.154.229; 2.B.154.230;
2.B.154.231; 2.B.154.236; 2.B.154.237; 2.B.154.238; 2.B.154.239; 2.B.154.154;
2.B.154.157; 2.B.154.166; 2.B.154.169; 2.B.154.172; 2.B.154.175; 2.B.154.240;
25 2.B.154.244; 2.B.157.228; 2.B.157.229; 2.B.157.230; 2.B.157.231; 2.B.157.236;
2.B.157.237; 2.B.157.238; 2.B.157.239; 2.B.157.154; 2.B.157.157; 2.B.157.166;
2.B.157.169; 2.B.157.172; 2.B.157.175; 2.B.157.240; 2.B.157.244; 2.B.166.228;
2.B.166.229; 2.B.166.230; 2.B.166.231; 2.B.166.236; 2.B.166.237; 2.B.166.238;
2.B.166.239; 2.B.166.154; 2.B.166.157; 2.B.166.166; 2.B.166.169; 2.B.166.172;
30 2.B.166.175; 2.B.166.240; 2.B.166.244; 2.B.169.228; 2.B.169.229; 2.B.169.230;
2.B.169.231; 2.B.169.236; 2.B.169.237; 2.B.169.238; 2.B.169.239; 2.B.169.154;

2.B.169.157; 2.B.169.166; 2.B.169.169; 2.B.169.172; 2.B.169.175; 2.B.169.240;
2.B.169.244; 2.B.172.228; 2.B.172.229; 2.B.172.230; 2.B.172.231; 2.B.172.236;
2.B.172.237; 2.B.172.238; 2.B.172.239; 2.B.172.154; 2.B.172.157; 2.B.172.166;
2.B.172.169; 2.B.172.172; 2.B.172.175; 2.B.172.240; 2.B.172.244; 2.B.175.228;
5 2.B.175.229; 2.B.175.230; 2.B.175.231; 2.B.175.236; 2.B.175.237; 2.B.175.238;
2.B.175.239; 2.B.175.154; 2.B.175.157; 2.B.175.166; 2.B.175.169; 2.B.175.172;
2.B.175.175; 2.B.175.240; 2.B.175.244; 2.B.240.228; 2.B.240.229; 2.B.240.230;
2.B.240.231; 2.B.240.236; 2.B.240.237; 2.B.240.238; 2.B.240.239; 2.B.240.154;
2.B.240.157; 2.B.240.166; 2.B.240.169; 2.B.240.172; 2.B.240.175; 2.B.240.240;
10 2.B.240.244; 2.B.244.228; 2.B.244.229; 2.B.244.230; 2.B.244.231; 2.B.244.236;
2.B.244.237; 2.B.244.238; 2.B.244.239; 2.B.244.154; 2.B.244.157; 2.B.244.166;
2.B.244.169; 2.B.244.172; 2.B.244.175; 2.B.244.240; 2.B.244.244;

Prodrugs of 2.D

15 2.D.228.228; 2.D.228.229; 2.D.228.230; 2.D.228.231; 2.D.228.236;
2.D.228.237; 2.D.228.238; 2.D.228.239; 2.D.228.154; 2.D.228.157;
2.D.228.166; 2.D.228.169; 2.D.228.172; 2.D.228.175; 2.D.228.240;
2.D.228.244; 2.D.229.228; 2.D.229.229; 2.D.229.230; 2.D.229.231;
2.D.229.236; 2.D.229.237; 2.D.229.238; 2.D.229.239; 2.D.229.154;
20 2.D.229.157; 2.D.229.166; 2.D.229.169; 2.D.229.172; 2.D.229.175;
2.D.229.240; 2.D.229.244; 2.D.230.228; 2.D.230.229; 2.D.230.230;
2.D.230.231; 2.D.230.236; 2.D.230.237; 2.D.230.238; 2.D.230.239;
2.D.230.154; 2.D.230.157; 2.D.230.166; 2.D.230.169; 2.D.230.172;
2.D.230.175; 2.D.230.240; 2.D.230.244; 2.D.231.228; 2.D.231.229;
25 2.D.231.230; 2.D.231.231; 2.D.231.236; 2.D.231.237; 2.D.231.238;
2.D.231.239; 2.D.231.154; 2.D.231.157; 2.D.231.166; 2.D.231.169;
2.D.231.172; 2.D.231.175; 2.D.231.240; 2.D.231.244; 2.D.236.228;
2.D.236.229; 2.D.236.230; 2.D.236.231; 2.D.236.236; 2.D.236.237;
2.D.236.238; 2.D.236.239; 2.D.236.154; 2.D.236.157; 2.D.236.166;
30 2.D.236.169; 2.D.236.172; 2.D.236.175; 2.D.236.240; 2.D.236.244;
2.D.237.228; 2.D.237.229; 2.D.237.230; 2.D.237.231; 2.D.237.236;

- 2.D.237.237; 2.D.237.238; 2.D.237.239; 2.D.237.154; 2.D.237.157;
2.D.237.166; 2.D.237.169; 2.D.237.172; 2.D.237.175; 2.D.237.240;
2.D.237.244; 2.D.238.228; 2.D.238.229; 2.D.238.230; 2.D.238.231;
2.D.238.236; 2.D.238.237; 2.D.238.238; 2.D.238.239; 2.D.238.154;
5 2.D.238.157; 2.D.238.166; 2.D.238.169; 2.D.238.172; 2.D.238.175;
2.D.238.240; 2.D.238.244; 2.D.239.228; 2.D.239.229; 2.D.239.230;
2.D.239.231; 2.D.239.236; 2.D.239.237; 2.D.239.238; 2.D.239.239;
2.D.239.154; 2.D.239.157; 2.D.239.166; 2.D.239.169; 2.D.239.172;
2.D.239.175; 2.D.239.240; 2.D.239.244; 2.D.154.228; 2.D.154.229;
10 2.D.154.230; 2.D.154.231; 2.D.154.236; 2.D.154.237; 2.D.154.238;
2.D.154.239; 2.D.154.154; 2.D.154.157; 2.D.154.166; 2.D.154.169;
2.D.154.172; 2.D.154.175; 2.D.154.240; 2.D.154.244; 2.D.157.228;
2.D.157.229; 2.D.157.230; 2.D.157.231; 2.D.157.236; 2.D.157.237;
2.D.157.238; 2.D.157.239; 2.D.157.154; 2.D.157.157; 2.D.157.166;
15 2.D.157.169; 2.D.157.172; 2.D.157.175; 2.D.157.240; 2.D.157.244;
2.D.166.228; 2.D.166.229; 2.D.166.230; 2.D.166.231; 2.D.166.236;
2.D.166.237; 2.D.166.238; 2.D.166.239; 2.D.166.154; 2.D.166.157;
2.D.166.166; 2.D.166.169; 2.D.166.172; 2.D.166.175; 2.D.166.240;
2.D.166.244; 2.D.169.228; 2.D.169.229; 2.D.169.230; 2.D.169.231;
20 2.D.169.236; 2.D.169.237; 2.D.169.238; 2.D.169.239; 2.D.169.154;
2.D.169.157; 2.D.169.166; 2.D.169.169; 2.D.169.172; 2.D.169.175;
2.D.169.240; 2.D.169.244; 2.D.172.228; 2.D.172.229; 2.D.172.230;
2.D.172.231; 2.D.172.236; 2.D.172.237; 2.D.172.238; 2.D.172.239;
2.D.172.154; 2.D.172.157; 2.D.172.166; 2.D.172.169; 2.D.172.172;
25 2.D.172.175; 2.D.172.240; 2.D.172.244; 2.D.175.228; 2.D.175.229;
2.D.175.230; 2.D.175.231; 2.D.175.236; 2.D.175.237; 2.D.175.238;
2.D.175.239; 2.D.175.154; 2.D.175.157; 2.D.175.166; 2.D.175.169;
2.D.175.172; 2.D.175.175; 2.D.175.240; 2.D.175.244; 2.D.240.228;
2.D.240.229; 2.D.240.230; 2.D.240.231; 2.D.240.236; 2.D.240.237;
30 2.D.240.238; 2.D.240.239; 2.D.240.154; 2.D.240.157; 2.D.240.166;
2.D.240.169; 2.D.240.172; 2.D.240.175; 2.D.240.240; 2.D.240.244;

2.D.244.228; 2.D.244.229; 2.D.244.230; 2.D.244.231; 2.D.244.236;
 2.D.244.237; 2.D.244.238; 2.D.244.239; 2.D.244.154; 2.D.244.157;
 2.D.244.166; 2.D.244.169; 2.D.244.172; 2.D.244.175; 2.D.244.240;
 2.D.244.244;

5

Prodrugs of 2.E

2.E.228.228; 2.E.228.229; 2.E.228.230; 2.E.228.231; 2.E.228.236;
 2.E.228.237; 2.E.228.238; 2.E.228.239; 2.E.228.154; 2.E.228.157; 2.E.228.166;
 2.E.228.169; 2.E.228.172; 2.E.228.175; 2.E.228.240; 2.E.228.244; 2.E.229.228;
 10 2.E.229.229; 2.E.229.230; 2.E.229.231; 2.E.229.236; 2.E.229.237; 2.E.229.238;
 2.E.229.239; 2.E.229.154; 2.E.229.157; 2.E.229.166; 2.E.229.169; 2.E.229.172;
 2.E.229.175; 2.E.229.240; 2.E.229.244; 2.E.230.228; 2.E.230.229; 2.E.230.230;
 2.E.230.231; 2.E.230.236; 2.E.230.237; 2.E.230.238; 2.E.230.239; 2.E.230.154;
 2.E.230.157; 2.E.230.166; 2.E.230.169; 2.E.230.172; 2.E.230.175; 2.E.230.240;
 15 2.E.230.244; 2.E.231.228; 2.E.231.229; 2.E.231.230; 2.E.231.231; 2.E.231.236;
 2.E.231.237; 2.E.231.238; 2.E.231.239; 2.E.231.154; 2.E.231.157; 2.E.231.166;
 2.E.231.169; 2.E.231.172; 2.E.231.175; 2.E.231.240; 2.E.231.244; 2.E.236.228;
 2.E.236.229; 2.E.236.230; 2.E.236.231; 2.E.236.236; 2.E.236.237; 2.E.236.238;
 2.E.236.239; 2.E.236.154; 2.E.236.157; 2.E.236.166; 2.E.236.169; 2.E.236.172;
 20 2.E.236.175; 2.E.236.240; 2.E.236.244; 2.E.237.228; 2.E.237.229; 2.E.237.230;
 2.E.237.231; 2.E.237.236; 2.E.237.237; 2.E.237.238; 2.E.237.239; 2.E.237.154;
 2.E.237.157; 2.E.237.166; 2.E.237.169; 2.E.237.172; 2.E.237.175; 2.E.237.240;
 2.E.237.244; 2.E.238.228; 2.E.238.229; 2.E.238.230; 2.E.238.231; 2.E.238.236;
 2.E.238.237; 2.E.238.238; 2.E.238.239; 2.E.238.154; 2.E.238.157; 2.E.238.166;
 25 2.E.238.169; 2.E.238.172; 2.E.238.175; 2.E.238.240; 2.E.238.244; 2.E.239.228;
 2.E.239.229; 2.E.239.230; 2.E.239.231; 2.E.239.236; 2.E.239.237; 2.E.239.238;
 2.E.239.239; 2.E.239.154; 2.E.239.157; 2.E.239.166; 2.E.239.169; 2.E.239.172;
 2.E.239.175; 2.E.239.240; 2.E.239.244; 2.E.154.228; 2.E.154.229; 2.E.154.230;
 2.E.154.231; 2.E.154.236; 2.E.154.237; 2.E.154.238; 2.E.154.239; 2.E.154.154;
 30 2.E.154.157; 2.E.154.166; 2.E.154.169; 2.E.154.172; 2.E.154.175; 2.E.154.240;
 2.E.154.244; 2.E.157.228; 2.E.157.229; 2.E.157.230; 2.E.157.231; 2.E.157.236;

2.E.157.237; 2.E.157.238; 2.E.157.239; 2.E.157.154; 2.E.157.157; 2.E.157.166;
2.E.157.169; 2.E.157.172; 2.E.157.175; 2.E.157.240; 2.E.157.244; 2.E.166.228;
2.E.166.229; 2.E.166.230; 2.E.166.231; 2.E.166.236; 2.E.166.237; 2.E.166.238;
2.E.166.239; 2.E.166.154; 2.E.166.157; 2.E.166.166; 2.E.166.169; 2.E.166.172;
5 2.E.166.175; 2.E.166.240; 2.E.166.244; 2.E.169.228; 2.E.169.229; 2.E.169.230;
2.E.169.231; 2.E.169.236; 2.E.169.237; 2.E.169.238; 2.E.169.239; 2.E.169.154;
2.E.169.157; 2.E.169.166; 2.E.169.169; 2.E.169.172; 2.E.169.175; 2.E.169.240;
2.E.169.244; 2.E.172.228; 2.E.172.229; 2.E.172.230; 2.E.172.231; 2.E.172.236;
2.E.172.237; 2.E.172.238; 2.E.172.239; 2.E.172.154; 2.E.172.157; 2.E.172.166;
10 2.E.172.169; 2.E.172.172; 2.E.172.175; 2.E.172.240; 2.E.172.244; 2.E.175.228;
2.E.175.229; 2.E.175.230; 2.E.175.231; 2.E.175.236; 2.E.175.237; 2.E.175.238;
2.E.175.239; 2.E.175.154; 2.E.175.157; 2.E.175.166; 2.E.175.169; 2.E.175.172;
2.E.175.175; 2.E.175.240; 2.E.175.244; 2.E.240.228; 2.E.240.229; 2.E.240.230;
2.E.240.231; 2.E.240.236; 2.E.240.237; 2.E.240.238; 2.E.240.239; 2.E.240.154;
15 2.E.240.157; 2.E.240.166; 2.E.240.169; 2.E.240.172; 2.E.240.175; 2.E.240.240;
2.E.240.244; 2.E.244.228; 2.E.244.229; 2.E.244.230; 2.E.244.231; 2.E.244.236;
2.E.244.237; 2.E.244.238; 2.E.244.239; 2.E.244.154; 2.E.244.157; 2.E.244.166;
2.E.244.169; 2.E.244.172; 2.E.244.175; 2.E.244.240; 2.E.244.244;

20 Prodrugs of 2.G

2.G.228.228; 2.G.228.229; 2.G.228.230; 2.G.228.231; 2.G.228.236;
2.G.228.237; 2.G.228.238; 2.G.228.239; 2.G.228.154; 2.G.228.157;
2.G.228.166; 2.G.228.169; 2.G.228.172; 2.G.228.175; 2.G.228.240;
2.G.228.244; 2.G.229.228; 2.G.229.229; 2.G.229.230; 2.G.229.231;
25 2.G.229.236; 2.G.229.237; 2.G.229.238; 2.G.229.239; 2.G.229.154;
2.G.229.157; 2.G.229.166; 2.G.229.169; 2.G.229.172; 2.G.229.175;
2.G.229.240; 2.G.229.244; 2.G.230.228; 2.G.230.229; 2.G.230.230;
2.G.230.231; 2.G.230.236; 2.G.230.237; 2.G.230.238; 2.G.230.239;
2.G.230.154; 2.G.230.157; 2.G.230.166; 2.G.230.169; 2.G.230.172;
30 2.G.230.175; 2.G.230.240; 2.G.230.244; 2.G.231.228; 2.G.231.229;
2.G.231.230; 2.G.231.231; 2.G.231.236; 2.G.231.237; 2.G.231.238;

- 2.G.231.239; 2.G.231.154; 2.G.231.157; 2.G.231.166; 2.G.231.169;
2.G.231.172; 2.G.231.175; 2.G.231.240; 2.G.231.244; 2.G.236.228;
2.G.236.229; 2.G.236.230; 2.G.236.231; 2.G.236.236; 2.G.236.237;
2.G.236.238; 2.G.236.239; 2.G.236.154; 2.G.236.157; 2.G.236.166;
5 2.G.236.169; 2.G.236.172; 2.G.236.175; 2.G.236.240; 2.G.236.244;
2.G.237.228; 2.G.237.229; 2.G.237.230; 2.G.237.231; 2.G.237.236;
2.G.237.237; 2.G.237.238; 2.G.237.239; 2.G.237.154; 2.G.237.157;
2.G.237.166; 2.G.237.169; 2.G.237.172; 2.G.237.175; 2.G.237.240;
2.G.237.244; 2.G.238.228; 2.G.238.229; 2.G.238.230; 2.G.238.231;
10 2.G.238.236; 2.G.238.237; 2.G.238.238; 2.G.238.239; 2.G.238.154;
2.G.238.157; 2.G.238.166; 2.G.238.169; 2.G.238.172; 2.G.238.175;
2.G.238.240; 2.G.238.244; 2.G.239.228; 2.G.239.229; 2.G.239.230;
2.G.239.231; 2.G.239.236; 2.G.239.237; 2.G.239.238; 2.G.239.239;
2.G.239.154; 2.G.239.157; 2.G.239.166; 2.G.239.169; 2.G.239.172;
15 2.G.239.175; 2.G.239.240; 2.G.239.244; 2.G.154.228; 2.G.154.229;
2.G.154.230; 2.G.154.231; 2.G.154.236; 2.G.154.237; 2.G.154.238;
2.G.154.239; 2.G.154.154; 2.G.154.157; 2.G.154.166; 2.G.154.169;
2.G.154.172; 2.G.154.175; 2.G.154.240; 2.G.154.244; 2.G.157.228;
2.G.157.229; 2.G.157.230; 2.G.157.231; 2.G.157.236; 2.G.157.237;
20 2.G.157.238; 2.G.157.239; 2.G.157.154; 2.G.157.157; 2.G.157.166;
2.G.157.169; 2.G.157.172; 2.G.157.175; 2.G.157.240; 2.G.157.244;
2.G.166.228; 2.G.166.229; 2.G.166.230; 2.G.166.231; 2.G.166.236;
2.G.166.237; 2.G.166.238; 2.G.166.239; 2.G.166.154; 2.G.166.157;
2.G.166.166; 2.G.166.169; 2.G.166.172; 2.G.166.175; 2.G.166.240;
25 2.G.166.244; 2.G.169.228; 2.G.169.229; 2.G.169.230; 2.G.169.231;
2.G.169.236; 2.G.169.237; 2.G.169.238; 2.G.169.239; 2.G.169.154;
2.G.169.157; 2.G.169.166; 2.G.169.169; 2.G.169.172; 2.G.169.175;
2.G.169.240; 2.G.169.244; 2.G.172.228; 2.G.172.229; 2.G.172.230;
2.G.172.231; 2.G.172.236; 2.G.172.237; 2.G.172.238; 2.G.172.239;
30 2.G.172.154; 2.G.172.157; 2.G.172.166; 2.G.172.169; 2.G.172.172;
2.G.172.175; 2.G.172.240; 2.G.172.244; 2.G.175.228; 2.G.175.229;

2.G.175.230; 2.G.175.231; 2.G.175.236; 2.G.175.237; 2.G.175.238;
2.G.175.239; 2.G.175.154; 2.G.175.157; 2.G.175.166; 2.G.175.169;
2.G.175.172; 2.G.175.175; 2.G.175.240; 2.G.175.244; 2.G.240.228;
2.G.240.229; 2.G.240.230; 2.G.240.231; 2.G.240.236; 2.G.240.237;
5 2.G.240.238; 2.G.240.239; 2.G.240.154; 2.G.240.157; 2.G.240.166;
2.G.240.169; 2.G.240.172; 2.G.240.175; 2.G.240.240; 2.G.240.244;
2.G.244.228; 2.G.244.229; 2.G.244.230; 2.G.244.231; 2.G.244.236;
2.G.244.237; 2.G.244.238; 2.G.244.239; 2.G.244.154; 2.G.244.157;
2.G.244.166; 2.G.244.169; 2.G.244.172; 2.G.244.175; 2.G.244.240;
10 2.G.244.244;

Prodrugs of 2.I

2.I.228.228; 2.I.228.229; 2.I.228.230; 2.I.228.231; 2.I.228.236; 2.I.228.237;
2.I.228.238; 2.I.228.239; 2.I.228.154; 2.I.228.157; 2.I.228.166; 2.I.228.169;
15 2.I.228.172; 2.I.228.175; 2.I.228.240; 2.I.228.244; 2.I.229.228; 2.I.229.229;
2.I.229.230; 2.I.229.231; 2.I.229.236; 2.I.229.237; 2.I.229.238; 2.I.229.239;
2.I.229.154; 2.I.229.157; 2.I.229.166; 2.I.229.169; 2.I.229.172; 2.I.229.175;
2.I.229.240; 2.I.229.244; 2.I.230.228; 2.I.230.229; 2.I.230.230; 2.I.230.231;
2.I.230.236; 2.I.230.237; 2.I.230.238; 2.I.230.239; 2.I.230.154; 2.I.230.157;
20 2.I.230.166; 2.I.230.169; 2.I.230.172; 2.I.230.175; 2.I.230.240; 2.I.230.244;
2.I.231.228; 2.I.231.229; 2.I.231.230; 2.I.231.231; 2.I.231.236; 2.I.231.237;
2.I.231.238; 2.I.231.239; 2.I.231.154; 2.I.231.157; 2.I.231.166; 2.I.231.169;
2.I.231.172; 2.I.231.175; 2.I.231.240; 2.I.231.244; 2.I.236.228; 2.I.236.229;
2.I.236.230; 2.I.236.231; 2.I.236.236; 2.I.236.237; 2.I.236.238; 2.I.236.239;
25 2.I.236.154; 2.I.236.157; 2.I.236.166; 2.I.236.169; 2.I.236.172; 2.I.236.175;
2.I.236.240; 2.I.236.244; 2.I.237.228; 2.I.237.229; 2.I.237.230; 2.I.237.231;
2.I.237.236; 2.I.237.237; 2.I.237.238; 2.I.237.239; 2.I.237.154; 2.I.237.157;
2.I.237.166; 2.I.237.169; 2.I.237.172; 2.I.237.175; 2.I.237.240; 2.I.237.244;
2.I.238.228; 2.I.238.229; 2.I.238.230; 2.I.238.231; 2.I.238.236; 2.I.238.237;
30 2.I.238.238; 2.I.238.239; 2.I.238.154; 2.I.238.157; 2.I.238.166; 2.I.238.169;
2.I.238.172; 2.I.238.175; 2.I.238.240; 2.I.238.244; 2.I.239.228; 2.I.239.229;

2.I.239.230; 2.I.239.231; 2.I.239.236; 2.I.239.237; 2.I.239.238; 2.I.239.239;
2.I.239.154; 2.I.239.157; 2.I.239.166; 2.I.239.169; 2.I.239.172; 2.I.239.175;
2.I.239.240; 2.I.239.244; 2.I.154.228; 2.I.154.229; 2.I.154.230; 2.I.154.231;
2.I.154.236; 2.I.154.237; 2.I.154.238; 2.I.154.239; 2.I.154.154; 2.I.154.157;
5 2.I.154.166; 2.I.154.169; 2.I.154.172; 2.I.154.175; 2.I.154.240; 2.I.154.244;
2.I.157.228; 2.I.157.229; 2.I.157.230; 2.I.157.231; 2.I.157.236; 2.I.157.237;
2.I.157.238; 2.I.157.239; 2.I.157.154; 2.I.157.157; 2.I.157.166; 2.I.157.169;
2.I.157.172; 2.I.157.175; 2.I.157.240; 2.I.157.244; 2.I.166.228; 2.I.166.229;
2.I.166.230; 2.I.166.231; 2.I.166.236; 2.I.166.237; 2.I.166.238; 2.I.166.239;
10 2.I.166.154; 2.I.166.157; 2.I.166.166; 2.I.166.169; 2.I.166.172; 2.I.166.175;
2.I.166.240; 2.I.166.244; 2.I.169.228; 2.I.169.229; 2.I.169.230; 2.I.169.231;
2.I.169.236; 2.I.169.237; 2.I.169.238; 2.I.169.239; 2.I.169.154; 2.I.169.157;
2.I.169.166; 2.I.169.169; 2.I.169.172; 2.I.169.175; 2.I.169.240; 2.I.169.244;
2.I.172.228; 2.I.172.229; 2.I.172.230; 2.I.172.231; 2.I.172.236; 2.I.172.237;
15 2.I.172.238; 2.I.172.239; 2.I.172.154; 2.I.172.157; 2.I.172.166; 2.I.172.169;
2.I.172.172; 2.I.172.175; 2.I.172.240; 2.I.172.244; 2.I.175.228; 2.I.175.229;
2.I.175.230; 2.I.175.231; 2.I.175.236; 2.I.175.237; 2.I.175.238; 2.I.175.239;
2.I.175.154; 2.I.175.157; 2.I.175.166; 2.I.175.169; 2.I.175.172; 2.I.175.175;
2.I.175.240; 2.I.175.244; 2.I.240.228; 2.I.240.229; 2.I.240.230; 2.I.240.231;
20 2.I.240.236; 2.I.240.237; 2.I.240.238; 2.I.240.239; 2.I.240.154; 2.I.240.157;
2.I.240.166; 2.I.240.169; 2.I.240.172; 2.I.240.175; 2.I.240.240; 2.I.240.244;
2.I.244.228; 2.I.244.229; 2.I.244.230; 2.I.244.231; 2.I.244.236; 2.I.244.237;
2.I.244.238; 2.I.244.239; 2.I.244.154; 2.I.244.157; 2.I.244.166; 2.I.244.169;
2.I.244.172; 2.I.244.175; 2.I.244.240; 2.I.244.244;

25

Prodrugs of 2.I

2.J.228.228; 2.J.228.229; 2.J.228.230; 2.J.228.231; 2.J.228.236; 2.J.228.237;
2.J.228.238; 2.J.228.239; 2.J.228.154; 2.J.228.157; 2.J.228.166; 2.J.228.169;
2.J.228.172; 2.J.228.175; 2.J.228.240; 2.J.228.244; 2.J.229.228; 2.J.229.229;
30 2.J.229.230; 2.J.229.231; 2.J.229.236; 2.J.229.237; 2.J.229.238; 2.J.229.239;
2.J.229.154; 2.J.229.157; 2.J.229.166; 2.J.229.169; 2.J.229.172; 2.J.229.175;

2.J.229.240; 2.J.229.244; 2.J.230.228; 2.J.230.229; 2.J.230.230; 2.J.230.231;
2.J.230.236; 2.J.230.237; 2.J.230.238; 2.J.230.239; 2.J.230.154; 2.J.230.157;
2.J.230.166; 2.J.230.169; 2.J.230.172; 2.J.230.175; 2.J.230.240; 2.J.230.244;
2.J.231.228; 2.J.231.229; 2.J.231.230; 2.J.231.231; 2.J.231.236; 2.J.231.237;
5 2.J.231.238; 2.J.231.239; 2.J.231.154; 2.J.231.157; 2.J.231.166; 2.J.231.169;
2.J.231.172; 2.J.231.175; 2.J.231.240; 2.J.231.244; 2.J.236.228; 2.J.236.229;
2.J.236.230; 2.J.236.231; 2.J.236.236; 2.J.236.237; 2.J.236.238; 2.J.236.239;
2.J.236.154; 2.J.236.157; 2.J.236.166; 2.J.236.169; 2.J.236.172; 2.J.236.175;
2.J.236.240; 2.J.236.244; 2.J.237.228; 2.J.237.229; 2.J.237.230; 2.J.237.231;
10 2.J.237.236; 2.J.237.237; 2.J.237.238; 2.J.237.239; 2.J.237.154; 2.J.237.157;
2.J.237.166; 2.J.237.169; 2.J.237.172; 2.J.237.175; 2.J.237.240; 2.J.237.244;
2.J.238.228; 2.J.238.229; 2.J.238.230; 2.J.238.231; 2.J.238.236; 2.J.238.237;
2.J.238.238; 2.J.238.239; 2.J.238.154; 2.J.238.157; 2.J.238.166; 2.J.238.169;
2.J.238.172; 2.J.238.175; 2.J.238.240; 2.J.238.244; 2.J.239.228; 2.J.239.229;
15 2.J.239.230; 2.J.239.231; 2.J.239.236; 2.J.239.237; 2.J.239.238; 2.J.239.239;
2.J.239.154; 2.J.239.157; 2.J.239.166; 2.J.239.169; 2.J.239.172; 2.J.239.175;
2.J.239.240; 2.J.239.244; 2.J.154.228; 2.J.154.229; 2.J.154.230; 2.J.154.231;
2.J.154.236; 2.J.154.237; 2.J.154.238; 2.J.154.239; 2.J.154.154; 2.J.154.157;
2.J.154.166; 2.J.154.169; 2.J.154.172; 2.J.154.175; 2.J.154.240; 2.J.154.244;
20 2.J.157.228; 2.J.157.229; 2.J.157.230; 2.J.157.231; 2.J.157.236; 2.J.157.237;
2.J.157.238; 2.J.157.239; 2.J.157.154; 2.J.157.157; 2.J.157.166; 2.J.157.169;
2.J.157.172; 2.J.157.175; 2.J.157.240; 2.J.157.244; 2.J.166.228; 2.J.166.229;
2.J.166.230; 2.J.166.231; 2.J.166.236; 2.J.166.237; 2.J.166.238; 2.J.166.239;
2.J.166.154; 2.J.166.157; 2.J.166.166; 2.J.166.169; 2.J.166.172; 2.J.166.175;
25 2.J.166.240; 2.J.166.244; 2.J.169.228; 2.J.169.229; 2.J.169.230; 2.J.169.231;
2.J.169.236; 2.J.169.237; 2.J.169.238; 2.J.169.239; 2.J.169.154; 2.J.169.157;
2.J.169.166; 2.J.169.169; 2.J.169.172; 2.J.169.175; 2.J.169.240; 2.J.169.244;
2.J.172.228; 2.J.172.229; 2.J.172.230; 2.J.172.231; 2.J.172.236; 2.J.172.237;
2.J.172.238; 2.J.172.239; 2.J.172.154; 2.J.172.157; 2.J.172.166; 2.J.172.169;
30 2.J.172.172; 2.J.172.175; 2.J.172.240; 2.J.172.244; 2.J.175.228; 2.J.175.229;
2.J.175.230; 2.J.175.231; 2.J.175.236; 2.J.175.237; 2.J.175.238; 2.J.175.239;

2.J.175.154; 2.J.175.157; 2.J.175.166; 2.J.175.169; 2.J.175.172; 2.J.175.175;
2.J.175.240; 2.J.175.244; 2.J.240.228; 2.J.240.229; 2.J.240.230; 2.J.240.231;
2.J.240.236; 2.J.240.237; 2.J.240.238; 2.J.240.239; 2.J.240.154; 2.J.240.157;
2.J.240.166; 2.J.240.169; 2.J.240.172; 2.J.240.175; 2.J.240.240; 2.J.240.244;
5 2.J.244.228; 2.J.244.229; 2.J.244.230; 2.J.244.231; 2.J.244.236; 2.J.244.237;
2.J.244.238; 2.J.244.239; 2.J.244.154; 2.J.244.157; 2.J.244.166; 2.J.244.169;
2.J.244.172; 2.J.244.175; 2.J.244.240; 2.J.244.244;

Prodrugs of 2.L

10 2.L.228.228; 2.L.228.229; 2.L.228.230; 2.L.228.231; 2.L.228.236;
2.L.228.237; 2.L.228.238; 2.L.228.239; 2.L.228.154; 2.L.228.157; 2.L.228.166;
2.L.228.169; 2.L.228.172; 2.L.228.175; 2.L.228.240; 2.L.228.244; 2.L.229.228;
2.L.229.229; 2.L.229.230; 2.L.229.231; 2.L.229.236; 2.L.229.237; 2.L.229.238;
2.L.229.239; 2.L.229.154; 2.L.229.157; 2.L.229.166; 2.L.229.169; 2.L.229.172;
15 2.L.229.175; 2.L.229.240; 2.L.229.244; 2.L.230.228; 2.L.230.229; 2.L.230.230;
2.L.230.231; 2.L.230.236; 2.L.230.237; 2.L.230.238; 2.L.230.239; 2.L.230.154;
2.L.230.157; 2.L.230.166; 2.L.230.169; 2.L.230.172; 2.L.230.175; 2.L.230.240;
2.L.230.244; 2.L.231.228; 2.L.231.229; 2.L.231.230; 2.L.231.231; 2.L.231.236;
2.L.231.237; 2.L.231.238; 2.L.231.239; 2.L.231.154; 2.L.231.157; 2.L.231.166;
20 2.L.231.169; 2.L.231.172; 2.L.231.175; 2.L.231.240; 2.L.231.244; 2.L.236.228;
2.L.236.229; 2.L.236.230; 2.L.236.231; 2.L.236.236; 2.L.236.237; 2.L.236.238;
2.L.236.239; 2.L.236.154; 2.L.236.157; 2.L.236.166; 2.L.236.169; 2.L.236.172;
2.L.236.175; 2.L.236.240; 2.L.236.244; 2.L.237.228; 2.L.237.229; 2.L.237.230;
2.L.237.231; 2.L.237.236; 2.L.237.237; 2.L.237.238; 2.L.237.239; 2.L.237.154;
25 2.L.237.157; 2.L.237.166; 2.L.237.169; 2.L.237.172; 2.L.237.175; 2.L.237.240;
2.L.237.244; 2.L.238.228; 2.L.238.229; 2.L.238.230; 2.L.238.231; 2.L.238.236;
2.L.238.237; 2.L.238.238; 2.L.238.239; 2.L.238.154; 2.L.238.157; 2.L.238.166;
2.L.238.169; 2.L.238.172; 2.L.238.175; 2.L.238.240; 2.L.238.244; 2.L.239.228;
2.L.239.229; 2.L.239.230; 2.L.239.231; 2.L.239.236; 2.L.239.237; 2.L.239.238;
30 2.L.239.239; 2.L.239.154; 2.L.239.157; 2.L.239.166; 2.L.239.169; 2.L.239.172;
2.L.239.175; 2.L.239.240; 2.L.239.244; 2.L.154.228; 2.L.154.229; 2.L.154.230;

- 2.L.154.231; 2.L.154.236; 2.L.154.237; 2.L.154.238; 2.L.154.239; 2.L.154.154;
 2.L.154.157; 2.L.154.166; 2.L.154.169; 2.L.154.172; 2.L.154.175; 2.L.154.240;
 2.L.154.244; 2.L.157.228; 2.L.157.229; 2.L.157.230; 2.L.157.231; 2.L.157.236;
 2.L.157.237; 2.L.157.238; 2.L.157.239; 2.L.157.154; 2.L.157.157; 2.L.157.166;
 5 2.L.157.169; 2.L.157.172; 2.L.157.175; 2.L.157.240; 2.L.157.244; 2.L.166.228;
 2.L.166.229; 2.L.166.230; 2.L.166.231; 2.L.166.236; 2.L.166.237; 2.L.166.238;
 2.L.166.239; 2.L.166.154; 2.L.166.157; 2.L.166.166; 2.L.166.169; 2.L.166.172;
 2.L.166.175; 2.L.166.240; 2.L.166.244; 2.L.169.228; 2.L.169.229; 2.L.169.230;
 2.L.169.231; 2.L.169.236; 2.L.169.237; 2.L.169.238; 2.L.169.239; 2.L.169.154;
 10 2.L.169.157; 2.L.169.166; 2.L.169.169; 2.L.169.172; 2.L.169.175; 2.L.169.240;
 2.L.169.244; 2.L.172.228; 2.L.172.229; 2.L.172.230; 2.L.172.231; 2.L.172.236;
 2.L.172.237; 2.L.172.238; 2.L.172.239; 2.L.172.154; 2.L.172.157; 2.L.172.166;
 2.L.172.169; 2.L.172.172; 2.L.172.175; 2.L.172.240; 2.L.172.244; 2.L.175.228;
 2.L.175.229; 2.L.175.230; 2.L.175.231; 2.L.175.236; 2.L.175.237; 2.L.175.238;
 15 2.L.175.239; 2.L.175.154; 2.L.175.157; 2.L.175.166; 2.L.175.169; 2.L.175.172;
 2.L.175.175; 2.L.175.240; 2.L.175.244; 2.L.240.228; 2.L.240.229; 2.L.240.230;
 2.L.240.231; 2.L.240.236; 2.L.240.237; 2.L.240.238; 2.L.240.239; 2.L.240.154;
 2.L.240.157; 2.L.240.166; 2.L.240.169; 2.L.240.172; 2.L.240.175; 2.L.240.240;
 2.L.240.244; 2.L.244.228; 2.L.244.229; 2.L.244.230; 2.L.244.231; 2.L.244.236;
 20 2.L.244.237; 2.L.244.238; 2.L.244.239; 2.L.244.154; 2.L.244.157; 2.L.244.166;
 2.L.244.169; 2.L.244.172; 2.L.244.175; 2.L.244.240; 2.L.244.244;

Prodrugs of 2.O

- 2.O.228.228; 2.O.228.229; 2.O.228.230; 2.O.228.231; 2.O.228.236;
 25 2.O.228.237; 2.O.228.238; 2.O.228.239; 2.O.228.154; 2.O.228.157;
 2.O.228.166; 2.O.228.169; 2.O.228.172; 2.O.228.175; 2.O.228.240;
 2.O.228.244; 2.O.229.228; 2.O.229.229; 2.O.229.230; 2.O.229.231;
 2.O.229.236; 2.O.229.237; 2.O.229.238; 2.O.229.239; 2.O.229.154;
 2.O.229.157; 2.O.229.166; 2.O.229.169; 2.O.229.172; 2.O.229.175;
 30 2.O.229.240; 2.O.229.244; 2.O.230.228; 2.O.230.229; 2.O.230.230;
 2.O.230.231; 2.O.230.236; 2.O.230.237; 2.O.230.238; 2.O.230.239;

- 2.O.230.154; 2.O.230.157; 2.O.230.166; 2.O.230.169; 2.O.230.172;
2.O.230.175; 2.O.230.240; 2.O.230.244; 2.O.231.228; 2.O.231.229;
2.O.231.230; 2.O.231.231; 2.O.231.236; 2.O.231.237; 2.O.231.238;
2.O.231.239; 2.O.231.154; 2.O.231.157; 2.O.231.166; 2.O.231.169;
5 2.O.231.172; 2.O.231.175; 2.O.231.240; 2.O.231.244; 2.O.236.228;
2.O.236.229; 2.O.236.230; 2.O.236.231; 2.O.236.236; 2.O.236.237;
2.O.236.238; 2.O.236.239; 2.O.236.154; 2.O.236.157; 2.O.236.166;
2.O.236.169; 2.O.236.172; 2.O.236.175; 2.O.236.240; 2.O.236.244;
2.O.237.228; 2.O.237.229; 2.O.237.230; 2.O.237.231; 2.O.237.236;
10 2.O.237.237; 2.O.237.238; 2.O.237.239; 2.O.237.154; 2.O.237.157;
2.O.237.166; 2.O.237.169; 2.O.237.172; 2.O.237.175; 2.O.237.240;
2.O.237.244; 2.O.238.228; 2.O.238.229; 2.O.238.230; 2.O.238.231;
2.O.238.236; 2.O.238.237; 2.O.238.238; 2.O.238.239; 2.O.238.154;
2.O.238.157; 2.O.238.166; 2.O.238.169; 2.O.238.172; 2.O.238.175;
15 2.O.238.240; 2.O.238.244; 2.O.239.228; 2.O.239.229; 2.O.239.230;
2.O.239.231; 2.O.239.236; 2.O.239.237; 2.O.239.238; 2.O.239.239;
2.O.239.154; 2.O.239.157; 2.O.239.166; 2.O.239.169; 2.O.239.172;
2.O.239.175; 2.O.239.240; 2.O.239.244; 2.O.154.228; 2.O.154.229;
2.O.154.230; 2.O.154.231; 2.O.154.236; 2.O.154.237; 2.O.154.238;
20 2.O.154.239; 2.O.154.154; 2.O.154.157; 2.O.154.166; 2.O.154.169;
2.O.154.172; 2.O.154.175; 2.O.154.240; 2.O.154.244; 2.O.157.228;
2.O.157.229; 2.O.157.230; 2.O.157.231; 2.O.157.236; 2.O.157.237;
2.O.157.238; 2.O.157.239; 2.O.157.154; 2.O.157.157; 2.O.157.166;
2.O.157.169; 2.O.157.172; 2.O.157.175; 2.O.157.240; 2.O.157.244;
25 2.O.166.228; 2.O.166.229; 2.O.166.230; 2.O.166.231; 2.O.166.236;
2.O.166.237; 2.O.166.238; 2.O.166.239; 2.O.166.154; 2.O.166.157;
2.O.166.166; 2.O.166.169; 2.O.166.172; 2.O.166.175; 2.O.166.240;
2.O.166.244; 2.O.169.228; 2.O.169.229; 2.O.169.230; 2.O.169.231;
2.O.169.236; 2.O.169.237; 2.O.169.238; 2.O.169.239; 2.O.169.154;
30 2.O.169.157; 2.O.169.166; 2.O.169.169; 2.O.169.172; 2.O.169.175;
2.O.169.240; 2.O.169.244; 2.O.172.228; 2.O.172.229; 2.O.172.230;

2.O.172.231; 2.O.172.236; 2.O.172.237; 2.O.172.238; 2.O.172.239;
2.O.172.154; 2.O.172.157; 2.O.172.166; 2.O.172.169; 2.O.172.172;
2.O.172.175; 2.O.172.240; 2.O.172.244; 2.O.175.228; 2.O.175.229;
2.O.175.230; 2.O.175.231; 2.O.175.236; 2.O.175.237; 2.O.175.238;
5 2.O.175.239; 2.O.175.154; 2.O.175.157; 2.O.175.166; 2.O.175.169;
2.O.175.172; 2.O.175.175; 2.O.175.240; 2.O.175.244; 2.O.240.228;
2.O.240.229; 2.O.240.230; 2.O.240.231; 2.O.240.236; 2.O.240.237;
2.O.240.238; 2.O.240.239; 2.O.240.154; 2.O.240.157; 2.O.240.166;
2.O.240.169; 2.O.240.172; 2.O.240.175; 2.O.240.240; 2.O.240.244;
10 2.O.244.228; 2.O.244.229; 2.O.244.230; 2.O.244.231; 2.O.244.236;
2.O.244.237; 2.O.244.238; 2.O.244.239; 2.O.244.154; 2.O.244.157;
2.O.244.166; 2.O.244.169; 2.O.244.172; 2.O.244.175; 2.O.244.240;
2.O.244.244;

15 Prodrugs of 2.P

2.P.228.228; 2.P.228.229; 2.P.228.230; 2.P.228.231; 2.P.228.236;
2.P.228.237; 2.P.228.238; 2.P.228.239; 2.P.228.154; 2.P.228.157; 2.P.228.166;
2.P.228.169; 2.P.228.172; 2.P.228.175; 2.P.228.240; 2.P.228.244; 2.P.229.228;
2.P.229.229; 2.P.229.230; 2.P.229.231; 2.P.229.236; 2.P.229.237; 2.P.229.238;
20 2.P.229.239; 2.P.229.154; 2.P.229.157; 2.P.229.166; 2.P.229.169; 2.P.229.172;
2.P.229.175; 2.P.229.240; 2.P.229.244; 2.P.230.228; 2.P.230.229; 2.P.230.230;
2.P.230.231; 2.P.230.236; 2.P.230.237; 2.P.230.238; 2.P.230.239; 2.P.230.154;
2.P.230.157; 2.P.230.166; 2.P.230.169; 2.P.230.172; 2.P.230.175; 2.P.230.240;
2.P.230.244; 2.P.231.228; 2.P.231.229; 2.P.231.230; 2.P.231.231; 2.P.231.236;
25 2.P.231.237; 2.P.231.238; 2.P.231.239; 2.P.231.154; 2.P.231.157; 2.P.231.166;
2.P.231.169; 2.P.231.172; 2.P.231.175; 2.P.231.240; 2.P.231.244; 2.P.236.228;
2.P.236.229; 2.P.236.230; 2.P.236.231; 2.P.236.236; 2.P.236.237; 2.P.236.238;
2.P.236.239; 2.P.236.154; 2.P.236.157; 2.P.236.166; 2.P.236.169; 2.P.236.172;
2.P.236.175; 2.P.236.240; 2.P.236.244; 2.P.237.228; 2.P.237.229; 2.P.237.230;
30 2.P.237.231; 2.P.237.236; 2.P.237.237; 2.P.237.238; 2.P.237.239; 2.P.237.154;
2.P.237.157; 2.P.237.166; 2.P.237.169; 2.P.237.172; 2.P.237.175; 2.P.237.240;

- 2.P.237.244; 2.P.238.228; 2.P.238.229; 2.P.238.230; 2.P.238.231; 2.P.238.236;
2.P.238.237; 2.P.238.238; 2.P.238.239; 2.P.238.154; 2.P.238.157; 2.P.238.166;
2.P.238.169; 2.P.238.172; 2.P.238.175; 2.P.238.240; 2.P.238.244; 2.P.239.228;
2.P.239.229; 2.P.239.230; 2.P.239.231; 2.P.239.236; 2.P.239.237; 2.P.239.238;
5 2.P.239.239; 2.P.239.154; 2.P.239.157; 2.P.239.166; 2.P.239.169; 2.P.239.172;
2.P.239.175; 2.P.239.240; 2.P.239.244; 2.P.154.228; 2.P.154.229; 2.P.154.230;
2.P.154.231; 2.P.154.236; 2.P.154.237; 2.P.154.238; 2.P.154.239; 2.P.154.154;
2.P.154.157; 2.P.154.166; 2.P.154.169; 2.P.154.172; 2.P.154.175; 2.P.154.240;
2.P.154.244; 2.P.157.228; 2.P.157.229; 2.P.157.230; 2.P.157.231; 2.P.157.236;
10 2.P.157.237; 2.P.157.238; 2.P.157.239; 2.P.157.154; 2.P.157.157; 2.P.157.166;
2.P.157.169; 2.P.157.172; 2.P.157.175; 2.P.157.240; 2.P.157.244; 2.P.166.228;
2.P.166.229; 2.P.166.230; 2.P.166.231; 2.P.166.236; 2.P.166.237; 2.P.166.238;
2.P.166.239; 2.P.166.154; 2.P.166.157; 2.P.166.166; 2.P.166.169; 2.P.166.172;
2.P.166.175; 2.P.166.240; 2.P.166.244; 2.P.169.228; 2.P.169.229; 2.P.169.230;
15 2.P.169.231; 2.P.169.236; 2.P.169.237; 2.P.169.238; 2.P.169.239; 2.P.169.154;
2.P.169.157; 2.P.169.166; 2.P.169.169; 2.P.169.172; 2.P.169.175; 2.P.169.240;
2.P.169.244; 2.P.172.228; 2.P.172.229; 2.P.172.230; 2.P.172.231; 2.P.172.236;
2.P.172.237; 2.P.172.238; 2.P.172.239; 2.P.172.154; 2.P.172.157; 2.P.172.166;
2.P.172.169; 2.P.172.172; 2.P.172.175; 2.P.172.240; 2.P.172.244; 2.P.175.228;
20 2.P.175.229; 2.P.175.230; 2.P.175.231; 2.P.175.236; 2.P.175.237; 2.P.175.238;
2.P.175.239; 2.P.175.154; 2.P.175.157; 2.P.175.166; 2.P.175.169; 2.P.175.172;
2.P.175.175; 2.P.175.240; 2.P.175.244; 2.P.240.228; 2.P.240.229; 2.P.240.230;
2.P.240.231; 2.P.240.236; 2.P.240.237; 2.P.240.238; 2.P.240.239; 2.P.240.154;
2.P.240.157; 2.P.240.166; 2.P.240.169; 2.P.240.172; 2.P.240.175; 2.P.240.240;
25 2.P.240.244; 2.P.244.228; 2.P.244.229; 2.P.244.230; 2.P.244.231; 2.P.244.236;
2.P.244.237; 2.P.244.238; 2.P.244.239; 2.P.244.154; 2.P.244.157; 2.P.244.166;
2.P.244.169; 2.P.244.172; 2.P.244.175; 2.P.244.240; 2.P.244.244;

Prodrugs of 2.U

- 30 2.U.228.228; 2.U.228.229; 2.U.228.230; 2.U.228.231; 2.U.228.236;
2.U.228.237; 2.U.228.238; 2.U.228.239; 2.U.228.154; 2.U.228.157;

2.U.228.166; 2.U.228.169; 2.U.228.172; 2.U.228.175; 2.U.228.240;
2.U.228.244; 2.U.229.228; 2.U.229.229; 2.U.229.230; 2.U.229.231;
2.U.229.236; 2.U.229.237; 2.U.229.238; 2.U.229.239; 2.U.229.154;
2.U.229.157; 2.U.229.166; 2.U.229.169; 2.U.229.172; 2.U.229.175;
5 2.U.229.240; 2.U.229.244; 2.U.230.228; 2.U.230.229; 2.U.230.230;
2.U.230.231; 2.U.230.236; 2.U.230.237; 2.U.230.238; 2.U.230.239;
2.U.230.154; 2.U.230.157; 2.U.230.166; 2.U.230.169; 2.U.230.172;
2.U.230.175; 2.U.230.240; 2.U.230.244; 2.U.231.228; 2.U.231.229;
2.U.231.230; 2.U.231.231; 2.U.231.236; 2.U.231.237; 2.U.231.238;
10 2.U.231.239; 2.U.231.154; 2.U.231.157; 2.U.231.166; 2.U.231.169;
2.U.231.172; 2.U.231.175; 2.U.231.240; 2.U.231.244; 2.U.236.228;
2.U.236.229; 2.U.236.230; 2.U.236.231; 2.U.236.236; 2.U.236.237;
2.U.236.238; 2.U.236.239; 2.U.236.154; 2.U.236.157; 2.U.236.166;
2.U.236.169; 2.U.236.172; 2.U.236.175; 2.U.236.240; 2.U.236.244;
15 2.U.237.228; 2.U.237.229; 2.U.237.230; 2.U.237.231; 2.U.237.236;
2.U.237.237; 2.U.237.238; 2.U.237.239; 2.U.237.154; 2.U.237.157;
2.U.237.166; 2.U.237.169; 2.U.237.172; 2.U.237.175; 2.U.237.240;
2.U.237.244; 2.U.238.228; 2.U.238.229; 2.U.238.230; 2.U.238.231;
2.U.238.236; 2.U.238.237; 2.U.238.238; 2.U.238.239; 2.U.238.154;
20 2.U.238.157; 2.U.238.166; 2.U.238.169; 2.U.238.172; 2.U.238.175;
2.U.238.240; 2.U.238.244; 2.U.239.228; 2.U.239.229; 2.U.239.230;
2.U.239.231; 2.U.239.236; 2.U.239.237; 2.U.239.238; 2.U.239.239;
2.U.239.154; 2.U.239.157; 2.U.239.166; 2.U.239.169; 2.U.239.172;
2.U.239.175; 2.U.239.240; 2.U.239.244; 2.U.154.228; 2.U.154.229;
25 2.U.154.230; 2.U.154.231; 2.U.154.236; 2.U.154.237; 2.U.154.238;
2.U.154.239; 2.U.154.154; 2.U.154.157; 2.U.154.166; 2.U.154.169;
2.U.154.172; 2.U.154.175; 2.U.154.240; 2.U.154.244; 2.U.157.228;
2.U.157.229; 2.U.157.230; 2.U.157.231; 2.U.157.236; 2.U.157.237;
2.U.157.238; 2.U.157.239; 2.U.157.154; 2.U.157.157; 2.U.157.166;
30 2.U.157.169; 2.U.157.172; 2.U.157.175; 2.U.157.240; 2.U.157.244;
2.U.166.228; 2.U.166.229; 2.U.166.230; 2.U.166.231; 2.U.166.236;

2.U.166.237; 2.U.166.238; 2.U.166.239; 2.U.166.154; 2.U.166.157;
2.U.166.166; 2.U.166.169; 2.U.166.172; 2.U.166.175; 2.U.166.240;
2.U.166.244; 2.U.169.228; 2.U.169.229; 2.U.169.230; 2.U.169.231;
2.U.169.236; 2.U.169.237; 2.U.169.238; 2.U.169.239; 2.U.169.154;
5 2.U.169.157; 2.U.169.166; 2.U.169.169; 2.U.169.172; 2.U.169.175;
2.U.169.240; 2.U.169.244; 2.U.172.228; 2.U.172.229; 2.U.172.230;
2.U.172.231; 2.U.172.236; 2.U.172.237; 2.U.172.238; 2.U.172.239;
2.U.172.154; 2.U.172.157; 2.U.172.166; 2.U.172.169; 2.U.172.172;
2.U.172.175; 2.U.172.240; 2.U.172.244; 2.U.175.228; 2.U.175.229;
10 2.U.175.230; 2.U.175.231; 2.U.175.236; 2.U.175.237; 2.U.175.238;
2.U.175.239; 2.U.175.154; 2.U.175.157; 2.U.175.166; 2.U.175.169;
2.U.175.172; 2.U.175.175; 2.U.175.240; 2.U.175.244; 2.U.240.228;
2.U.240.229; 2.U.240.230; 2.U.240.231; 2.U.240.236; 2.U.240.237;
2.U.240.238; 2.U.240.239; 2.U.240.154; 2.U.240.157; 2.U.240.166;
15 2.U.240.169; 2.U.240.172; 2.U.240.175; 2.U.240.240; 2.U.240.244;
2.U.244.228; 2.U.244.229; 2.U.244.230; 2.U.244.231; 2.U.244.236;
2.U.244.237; 2.U.244.238; 2.U.244.239; 2.U.244.154; 2.U.244.157;
2.U.244.166; 2.U.244.169; 2.U.244.172; 2.U.244.175; 2.U.244.240;
2.U.244.244;

20

Prodrugs of 2.W

2.W.228.228; 2.W.228.229; 2.W.228.230; 2.W.228.231; 2.W.228.236;
2.W.228.237; 2.W.228.238; 2.W.228.239; 2.W.228.154; 2.W.228.157;
2.W.228.166; 2.W.228.169; 2.W.228.172; 2.W.228.175; 2.W.228.240;
25 2.W.228.244; 2.W.229.228; 2.W.229.229; 2.W.229.230; 2.W.229.231;
2.W.229.236; 2.W.229.237; 2.W.229.238; 2.W.229.239; 2.W.229.154;
2.W.229.157; 2.W.229.166; 2.W.229.169; 2.W.229.172; 2.W.229.175;
2.W.229.240; 2.W.229.244; 2.W.230.228; 2.W.230.229; 2.W.230.230;
2.W.230.231; 2.W.230.236; 2.W.230.237; 2.W.230.238; 2.W.230.239;
30 2.W.230.154; 2.W.230.157; 2.W.230.166; 2.W.230.169; 2.W.230.172;
2.W.230.175; 2.W.230.240; 2.W.230.244; 2.W.231.228; 2.W.231.229;

2.W.231.230; 2.W.231.231; 2.W.231.236; 2.W.231.237; 2.W.231.238;
2.W.231.239; 2.W.231.154; 2.W.231.157; 2.W.231.166; 2.W.231.169;
2.W.231.172; 2.W.231.175; 2.W.231.240; 2.W.231.244; 2.W.236.228;
2.W.236.229; 2.W.236.230; 2.W.236.231; 2.W.236.236; 2.W.236.237;
5 2.W.236.238; 2.W.236.239; 2.W.236.154; 2.W.236.157; 2.W.236.166;
2.W.236.169; 2.W.236.172; 2.W.236.175; 2.W.236.240; 2.W.236.244;
2.W.237.228; 2.W.237.229; 2.W.237.230; 2.W.237.231; 2.W.237.236;
2.W.237.237; 2.W.237.238; 2.W.237.239; 2.W.237.154; 2.W.237.157;
2.W.237.166; 2.W.237.169; 2.W.237.172; 2.W.237.175; 2.W.237.240;
10 2.W.237.244; 2.W.238.228; 2.W.238.229; 2.W.238.230; 2.W.238.231;
2.W.238.236; 2.W.238.237; 2.W.238.238; 2.W.238.239; 2.W.238.154;
2.W.238.157; 2.W.238.166; 2.W.238.169; 2.W.238.172; 2.W.238.175;
2.W.238.240; 2.W.238.244; 2.W.239.228; 2.W.239.229; 2.W.239.230;
2.W.239.231; 2.W.239.236; 2.W.239.237; 2.W.239.238; 2.W.239.239;
15 2.W.239.154; 2.W.239.157; 2.W.239.166; 2.W.239.169; 2.W.239.172;
2.W.239.175; 2.W.239.240; 2.W.239.244; 2.W.154.228; 2.W.154.229;
2.W.154.230; 2.W.154.231; 2.W.154.236; 2.W.154.237; 2.W.154.238;
2.W.154.239; 2.W.154.154; 2.W.154.157; 2.W.154.166; 2.W.154.169;
2.W.154.172; 2.W.154.175; 2.W.154.240; 2.W.154.244; 2.W.157.228;
20 2.W.157.229; 2.W.157.230; 2.W.157.231; 2.W.157.236; 2.W.157.237;
2.W.157.238; 2.W.157.239; 2.W.157.154; 2.W.157.157; 2.W.157.166;
2.W.157.169; 2.W.157.172; 2.W.157.175; 2.W.157.240; 2.W.157.244;
2.W.166.228; 2.W.166.229; 2.W.166.230; 2.W.166.231; 2.W.166.236;
2.W.166.237; 2.W.166.238; 2.W.166.239; 2.W.166.154; 2.W.166.157;
25 2.W.166.166; 2.W.166.169; 2.W.166.172; 2.W.166.175; 2.W.166.240;
2.W.166.244; 2.W.169.228; 2.W.169.229; 2.W.169.230; 2.W.169.231;
2.W.169.236; 2.W.169.237; 2.W.169.238; 2.W.169.239; 2.W.169.154;
2.W.169.157; 2.W.169.166; 2.W.169.169; 2.W.169.172; 2.W.169.175;
2.W.169.240; 2.W.169.244; 2.W.172.228; 2.W.172.229; 2.W.172.230;
30 2.W.172.231; 2.W.172.236; 2.W.172.237; 2.W.172.238; 2.W.172.239;
2.W.172.154; 2.W.172.157; 2.W.172.166; 2.W.172.169; 2.W.172.172;

2.W.172.175; 2.W.172.240; 2.W.172.244; 2.W.175.228; 2.W.175.229;
2.W.175.230; 2.W.175.231; 2.W.175.236; 2.W.175.237; 2.W.175.238;
2.W.175.239; 2.W.175.154; 2.W.175.157; 2.W.175.166; 2.W.175.169;
2.W.175.172; 2.W.175.175; 2.W.175.240; 2.W.175.244; 2.W.240.228;
5 2.W.240.229; 2.W.240.230; 2.W.240.231; 2.W.240.236; 2.W.240.237;
2.W.240.238; 2.W.240.239; 2.W.240.154; 2.W.240.157; 2.W.240.166;
2.W.240.169; 2.W.240.172; 2.W.240.175; 2.W.240.240; 2.W.240.244;
2.W.244.228; 2.W.244.229; 2.W.244.230; 2.W.244.231; 2.W.244.236;
2.W.244.237; 2.W.244.238; 2.W.244.239; 2.W.244.154; 2.W.244.157;
10 2.W.244.166; 2.W.244.169; 2.W.244.172; 2.W.244.175; 2.W.244.240;
2.W.244.244;

Prodrugs of 2.Y

2.Y.228.228; 2.Y.228.229; 2.Y.228.230; 2.Y.228.231; 2.Y.228.236;
15 2.Y.228.237; 2.Y.228.238; 2.Y.228.239; 2.Y.228.154; 2.Y.228.157; 2.Y.228.166;
2.Y.228.169; 2.Y.228.172; 2.Y.228.175; 2.Y.228.240; 2.Y.228.244; 2.Y.229.228;
2.Y.229.229; 2.Y.229.230; 2.Y.229.231; 2.Y.229.236; 2.Y.229.237; 2.Y.229.238;
2.Y.229.239; 2.Y.229.154; 2.Y.229.157; 2.Y.229.166; 2.Y.229.169; 2.Y.229.172;
2.Y.229.175; 2.Y.229.240; 2.Y.229.244; 2.Y.230.228; 2.Y.230.229; 2.Y.230.230;
20 2.Y.230.231; 2.Y.230.236; 2.Y.230.237; 2.Y.230.238; 2.Y.230.239; 2.Y.230.154;
2.Y.230.157; 2.Y.230.166; 2.Y.230.169; 2.Y.230.172; 2.Y.230.175; 2.Y.230.240;
2.Y.230.244; 2.Y.231.228; 2.Y.231.229; 2.Y.231.230; 2.Y.231.231; 2.Y.231.236;
2.Y.231.237; 2.Y.231.238; 2.Y.231.239; 2.Y.231.154; 2.Y.231.157; 2.Y.231.166;
2.Y.231.169; 2.Y.231.172; 2.Y.231.175; 2.Y.231.240; 2.Y.231.244; 2.Y.236.228;
25 2.Y.236.229; 2.Y.236.230; 2.Y.236.231; 2.Y.236.236; 2.Y.236.237; 2.Y.236.238;
2.Y.236.239; 2.Y.236.154; 2.Y.236.157; 2.Y.236.166; 2.Y.236.169; 2.Y.236.172;
2.Y.236.175; 2.Y.236.240; 2.Y.236.244; 2.Y.237.228; 2.Y.237.229; 2.Y.237.230;
2.Y.237.231; 2.Y.237.236; 2.Y.237.237; 2.Y.237.238; 2.Y.237.239; 2.Y.237.154;
2.Y.237.157; 2.Y.237.166; 2.Y.237.169; 2.Y.237.172; 2.Y.237.175; 2.Y.237.240;
30 2.Y.237.244; 2.Y.238.228; 2.Y.238.229; 2.Y.238.230; 2.Y.238.231; 2.Y.238.236;
2.Y.238.237; 2.Y.238.238; 2.Y.238.239; 2.Y.238.154; 2.Y.238.157; 2.Y.238.166;

2.Y.238.169; 2.Y.238.172; 2.Y.238.175; 2.Y.238.240; 2.Y.238.244; 2.Y.239.228;
2.Y.239.229; 2.Y.239.230; 2.Y.239.231; 2.Y.239.236; 2.Y.239.237; 2.Y.239.238;
2.Y.239.239; 2.Y.239.154; 2.Y.239.157; 2.Y.239.166; 2.Y.239.169; 2.Y.239.172;
2.Y.239.175; 2.Y.239.240; 2.Y.239.244; 2.Y.154.228; 2.Y.154.229; 2.Y.154.230;
5 2.Y.154.231; 2.Y.154.236; 2.Y.154.237; 2.Y.154.238; 2.Y.154.239; 2.Y.154.154;
2.Y.154.157; 2.Y.154.166; 2.Y.154.169; 2.Y.154.172; 2.Y.154.175; 2.Y.154.240;
2.Y.154.244; 2.Y.157.228; 2.Y.157.229; 2.Y.157.230; 2.Y.157.231; 2.Y.157.236;
2.Y.157.237; 2.Y.157.238; 2.Y.157.239; 2.Y.157.154; 2.Y.157.157; 2.Y.157.166;
2.Y.157.169; 2.Y.157.172; 2.Y.157.175; 2.Y.157.240; 2.Y.157.244; 2.Y.166.228;
10 2.Y.166.229; 2.Y.166.230; 2.Y.166.231; 2.Y.166.236; 2.Y.166.237; 2.Y.166.238;
2.Y.166.239; 2.Y.166.154; 2.Y.166.157; 2.Y.166.166; 2.Y.166.169; 2.Y.166.172;
2.Y.166.175; 2.Y.166.240; 2.Y.166.244; 2.Y.169.228; 2.Y.169.229; 2.Y.169.230;
2.Y.169.231; 2.Y.169.236; 2.Y.169.237; 2.Y.169.238; 2.Y.169.239; 2.Y.169.154;
2.Y.169.157; 2.Y.169.166; 2.Y.169.169; 2.Y.169.172; 2.Y.169.175; 2.Y.169.240;
15 2.Y.169.244; 2.Y.172.228; 2.Y.172.229; 2.Y.172.230; 2.Y.172.231; 2.Y.172.236;
2.Y.172.237; 2.Y.172.238; 2.Y.172.239; 2.Y.172.154; 2.Y.172.157; 2.Y.172.166;
2.Y.172.169; 2.Y.172.172; 2.Y.172.175; 2.Y.172.240; 2.Y.172.244; 2.Y.175.228;
2.Y.175.229; 2.Y.175.230; 2.Y.175.231; 2.Y.175.236; 2.Y.175.237; 2.Y.175.238;
2.Y.175.239; 2.Y.175.154; 2.Y.175.157; 2.Y.175.166; 2.Y.175.169; 2.Y.175.172;
20 2.Y.175.175; 2.Y.175.240; 2.Y.175.244; 2.Y.240.228; 2.Y.240.229; 2.Y.240.230;
2.Y.240.231; 2.Y.240.236; 2.Y.240.237; 2.Y.240.238; 2.Y.240.239; 2.Y.240.154;
2.Y.240.157; 2.Y.240.166; 2.Y.240.169; 2.Y.240.172; 2.Y.240.175; 2.Y.240.240;
2.Y.240.244; 2.Y.244.228; 2.Y.244.229; 2.Y.244.230; 2.Y.244.231; 2.Y.244.236;
2.Y.244.237; 2.Y.244.238; 2.Y.244.239; 2.Y.244.154; 2.Y.244.157; 2.Y.244.166;
25 2.Y.244.169; 2.Y.244.172; 2.Y.244.175; 2.Y.244.240; 2.Y.244.244;

Prodrugs of 3.B

3.B.228.228; 3.B.228.229; 3.B.228.230; 3.B.228.231; 3.B.228.236;
3.B.228.237; 3.B.228.238; 3.B.228.239; 3.B.228.154; 3.B.228.157; 3.B.228.166;
30 3.B.228.169; 3.B.228.172; 3.B.228.175; 3.B.228.240; 3.B.228.244; 3.B.229.228;
3.B.229.229; 3.B.229.230; 3.B.229.231; 3.B.229.236; 3.B.229.237; 3.B.229.238;

3.B.229.239; 3.B.229.154; 3.B.229.157; 3.B.229.166; 3.B.229.169; 3.B.229.172;
3.B.229.175; 3.B.229.240; 3.B.229.244; 3.B.230.228; 3.B.230.229; 3.B.230.230;
3.B.230.231; 3.B.230.236; 3.B.230.237; 3.B.230.238; 3.B.230.239; 3.B.230.154;
3.B.230.157; 3.B.230.166; 3.B.230.169; 3.B.230.172; 3.B.230.175; 3.B.230.240;
5 3.B.230.244; 3.B.231.228; 3.B.231.229; 3.B.231.230; 3.B.231.231; 3.B.231.236;
3.B.231.237; 3.B.231.238; 3.B.231.239; 3.B.231.154; 3.B.231.157; 3.B.231.166;
3.B.231.169; 3.B.231.172; 3.B.231.175; 3.B.231.240; 3.B.231.244; 3.B.236.228;
3.B.236.229; 3.B.236.230; 3.B.236.231; 3.B.236.236; 3.B.236.237; 3.B.236.238;
3.B.236.239; 3.B.236.154; 3.B.236.157; 3.B.236.166; 3.B.236.169; 3.B.236.172;
10 3.B.236.175; 3.B.236.240; 3.B.236.244; 3.B.237.228; 3.B.237.229; 3.B.237.230;
3.B.237.231; 3.B.237.236; 3.B.237.237; 3.B.237.238; 3.B.237.239; 3.B.237.154;
3.B.237.157; 3.B.237.166; 3.B.237.169; 3.B.237.172; 3.B.237.175; 3.B.237.240;
3.B.237.244; 3.B.238.228; 3.B.238.229; 3.B.238.230; 3.B.238.231; 3.B.238.236;
3.B.238.237; 3.B.238.238; 3.B.238.239; 3.B.238.154; 3.B.238.157; 3.B.238.166;
15 3.B.238.169; 3.B.238.172; 3.B.238.175; 3.B.238.240; 3.B.238.244; 3.B.239.228;
3.B.239.229; 3.B.239.230; 3.B.239.231; 3.B.239.236; 3.B.239.237; 3.B.239.238;
3.B.239.239; 3.B.239.154; 3.B.239.157; 3.B.239.166; 3.B.239.169; 3.B.239.172;
3.B.239.175; 3.B.239.240; 3.B.239.244; 3.B.154.228; 3.B.154.229; 3.B.154.230;
3.B.154.231; 3.B.154.236; 3.B.154.237; 3.B.154.238; 3.B.154.239; 3.B.154.154;
20 3.B.154.157; 3.B.154.166; 3.B.154.169; 3.B.154.172; 3.B.154.175; 3.B.154.240;
3.B.154.244; 3.B.157.228; 3.B.157.229; 3.B.157.230; 3.B.157.231; 3.B.157.236;
3.B.157.237; 3.B.157.238; 3.B.157.239; 3.B.157.154; 3.B.157.157; 3.B.157.166;
3.B.157.169; 3.B.157.172; 3.B.157.175; 3.B.157.240; 3.B.157.244; 3.B.166.228;
3.B.166.229; 3.B.166.230; 3.B.166.231; 3.B.166.236; 3.B.166.237; 3.B.166.238;
25 3.B.166.239; 3.B.166.154; 3.B.166.157; 3.B.166.166; 3.B.166.169; 3.B.166.172;
3.B.166.175; 3.B.166.240; 3.B.166.244; 3.B.169.228; 3.B.169.229; 3.B.169.230;
3.B.169.231; 3.B.169.236; 3.B.169.237; 3.B.169.238; 3.B.169.239; 3.B.169.154;
3.B.169.157; 3.B.169.166; 3.B.169.169; 3.B.169.172; 3.B.169.175; 3.B.169.240;
3.B.169.244; 3.B.172.228; 3.B.172.229; 3.B.172.230; 3.B.172.231; 3.B.172.236;
30 3.B.172.237; 3.B.172.238; 3.B.172.239; 3.B.172.154; 3.B.172.157; 3.B.172.166;
3.B.172.169; 3.B.172.172; 3.B.172.175; 3.B.172.240; 3.B.172.244; 3.B.175.228;

3.B.175.229; 3.B.175.230; 3.B.175.231; 3.B.175.236; 3.B.175.237; 3.B.175.238;
3.B.175.239; 3.B.175.154; 3.B.175.157; 3.B.175.166; 3.B.175.169; 3.B.175.172;
3.B.175.175; 3.B.175.240; 3.B.175.244; 3.B.240.228; 3.B.240.229; 3.B.240.230;
3.B.240.231; 3.B.240.236; 3.B.240.237; 3.B.240.238; 3.B.240.239; 3.B.240.154;
5 3.B.240.157; 3.B.240.166; 3.B.240.169; 3.B.240.172; 3.B.240.175; 3.B.240.240;
3.B.240.244; 3.B.244.228; 3.B.244.229; 3.B.244.230; 3.B.244.231; 3.B.244.236;
3.B.244.237; 3.B.244.238; 3.B.244.239; 3.B.244.154; 3.B.244.157; 3.B.244.166;
3.B.244.169; 3.B.244.172; 3.B.244.175; 3.B.244.240; 3.B.244.244;

10 Prodrugs of 3.D

3.D.228.228; 3.D.228.229; 3.D.228.230; 3.D.228.231; 3.D.228.236;
3.D.228.237; 3.D.228.238; 3.D.228.239; 3.D.228.154; 3.D.228.157;
3.D.228.166; 3.D.228.169; 3.D.228.172; 3.D.228.175; 3.D.228.240;
3.D.228.244; 3.D.229.228; 3.D.229.229; 3.D.229.230; 3.D.229.231;
15 3.D.229.236; 3.D.229.237; 3.D.229.238; 3.D.229.239; 3.D.229.154;
3.D.229.157; 3.D.229.166; 3.D.229.169; 3.D.229.172; 3.D.229.175;
3.D.229.240; 3.D.229.244; 3.D.230.228; 3.D.230.229; 3.D.230.230;
3.D.230.231; 3.D.230.236; 3.D.230.237; 3.D.230.238; 3.D.230.239;
3.D.230.154; 3.D.230.157; 3.D.230.166; 3.D.230.169; 3.D.230.172;
20 3.D.230.175; 3.D.230.240; 3.D.230.244; 3.D.231.228; 3.D.231.229;
3.D.231.230; 3.D.231.231; 3.D.231.236; 3.D.231.237; 3.D.231.238;
3.D.231.239; 3.D.231.154; 3.D.231.157; 3.D.231.166; 3.D.231.169;
3.D.231.172; 3.D.231.175; 3.D.231.240; 3.D.231.244; 3.D.236.228;
3.D.236.229; 3.D.236.230; 3.D.236.231; 3.D.236.236; 3.D.236.237;
25 3.D.236.238; 3.D.236.239; 3.D.236.154; 3.D.236.157; 3.D.236.166;
3.D.236.169; 3.D.236.172; 3.D.236.175; 3.D.236.240; 3.D.236.244;
3.D.237.228; 3.D.237.229; 3.D.237.230; 3.D.237.231; 3.D.237.236;
3.D.237.237; 3.D.237.238; 3.D.237.239; 3.D.237.154; 3.D.237.157;
3.D.237.166; 3.D.237.169; 3.D.237.172; 3.D.237.175; 3.D.237.240;
30 3.D.237.244; 3.D.238.228; 3.D.238.229; 3.D.238.230; 3.D.238.231;
3.D.238.236; 3.D.238.237; 3.D.238.238; 3.D.238.239; 3.D.238.154;

3.D.238.157; 3.D.238.166; 3.D.238.169; 3.D.238.172; 3.D.238.175;
3.D.238.240; 3.D.238.244; 3.D.239.228; 3.D.239.229; 3.D.239.230;
3.D.239.231; 3.D.239.236; 3.D.239.237; 3.D.239.238; 3.D.239.239;
3.D.239.154; 3.D.239.157; 3.D.239.166; 3.D.239.169; 3.D.239.172;
5 3.D.239.175; 3.D.239.240; 3.D.239.244; 3.D.154.228; 3.D.154.229;
3.D.154.230; 3.D.154.231; 3.D.154.236; 3.D.154.237; 3.D.154.238;
3.D.154.239; 3.D.154.154; 3.D.154.157; 3.D.154.166; 3.D.154.169;
3.D.154.172; 3.D.154.175; 3.D.154.240; 3.D.154.244; 3.D.157.228;
3.D.157.229; 3.D.157.230; 3.D.157.231; 3.D.157.236; 3.D.157.237;
10 3.D.157.238; 3.D.157.239; 3.D.157.154; 3.D.157.157; 3.D.157.166;
3.D.157.169; 3.D.157.172; 3.D.157.175; 3.D.157.240; 3.D.157.244;
3.D.166.228; 3.D.166.229; 3.D.166.230; 3.D.166.231; 3.D.166.236;
3.D.166.237; 3.D.166.238; 3.D.166.239; 3.D.166.154; 3.D.166.157;
3.D.166.166; 3.D.166.169; 3.D.166.172; 3.D.166.175; 3.D.166.240;
15 3.D.166.244; 3.D.169.228; 3.D.169.229; 3.D.169.230; 3.D.169.231;
3.D.169.236; 3.D.169.237; 3.D.169.238; 3.D.169.239; 3.D.169.154;
3.D.169.157; 3.D.169.166; 3.D.169.169; 3.D.169.172; 3.D.169.175;
3.D.169.240; 3.D.169.244; 3.D.172.228; 3.D.172.229; 3.D.172.230;
3.D.172.231; 3.D.172.236; 3.D.172.237; 3.D.172.238; 3.D.172.239;
20 3.D.172.154; 3.D.172.157; 3.D.172.166; 3.D.172.169; 3.D.172.172;
3.D.172.175; 3.D.172.240; 3.D.172.244; 3.D.175.228; 3.D.175.229;
3.D.175.230; 3.D.175.231; 3.D.175.236; 3.D.175.237; 3.D.175.238;
3.D.175.239; 3.D.175.154; 3.D.175.157; 3.D.175.166; 3.D.175.169;
3.D.175.172; 3.D.175.175; 3.D.175.240; 3.D.175.244; 3.D.240.228;
25 3.D.240.229; 3.D.240.230; 3.D.240.231; 3.D.240.236; 3.D.240.237;
3.D.240.238; 3.D.240.239; 3.D.240.154; 3.D.240.157; 3.D.240.166;
3.D.240.169; 3.D.240.172; 3.D.240.175; 3.D.240.240; 3.D.240.244;
3.D.244.228; 3.D.244.229; 3.D.244.230; 3.D.244.231; 3.D.244.236;
3.D.244.237; 3.D.244.238; 3.D.244.239; 3.D.244.154; 3.D.244.157;
30 3.D.244.166; 3.D.244.169; 3.D.244.172; 3.D.244.175; 3.D.244.240;
3.D.244.244;

Prodrugs of 3.E

- 3.E.228.228; 3.E.228.229; 3.E.228.230; 3.E.228.231; 3.E.228.236;
3.E.228.237; 3.E.228.238; 3.E.228.239; 3.E.228.154; 3.E.228.157; 3.E.228.166;
5 3.E.228.169; 3.E.228.172; 3.E.228.175; 3.E.228.240; 3.E.228.244; 3.E.229.228;
3.E.229.229; 3.E.229.230; 3.E.229.231; 3.E.229.236; 3.E.229.237; 3.E.229.238;
3.E.229.239; 3.E.229.154; 3.E.229.157; 3.E.229.166; 3.E.229.169; 3.E.229.172;
3.E.229.175; 3.E.229.240; 3.E.229.244; 3.E.230.228; 3.E.230.229; 3.E.230.230;
3.E.230.231; 3.E.230.236; 3.E.230.237; 3.E.230.238; 3.E.230.239; 3.E.230.154;
10 3.E.230.157; 3.E.230.166; 3.E.230.169; 3.E.230.172; 3.E.230.175; 3.E.230.240;
3.E.230.244; 3.E.231.228; 3.E.231.229; 3.E.231.230; 3.E.231.231; 3.E.231.236;
3.E.231.237; 3.E.231.238; 3.E.231.239; 3.E.231.154; 3.E.231.157; 3.E.231.166;
3.E.231.169; 3.E.231.172; 3.E.231.175; 3.E.231.240; 3.E.231.244; 3.E.236.228;
3.E.236.229; 3.E.236.230; 3.E.236.231; 3.E.236.236; 3.E.236.237; 3.E.236.238;
15 3.E.236.239; 3.E.236.154; 3.E.236.157; 3.E.236.166; 3.E.236.169; 3.E.236.172;
3.E.236.175; 3.E.236.240; 3.E.236.244; 3.E.237.228; 3.E.237.229; 3.E.237.230;
3.E.237.231; 3.E.237.236; 3.E.237.237; 3.E.237.238; 3.E.237.239; 3.E.237.154;
3.E.237.157; 3.E.237.166; 3.E.237.169; 3.E.237.172; 3.E.237.175; 3.E.237.240;
3.E.237.244; 3.E.238.228; 3.E.238.229; 3.E.238.230; 3.E.238.231; 3.E.238.236;
20 3.E.238.237; 3.E.238.238; 3.E.238.239; 3.E.238.154; 3.E.238.157; 3.E.238.166;
3.E.238.169; 3.E.238.172; 3.E.238.175; 3.E.238.240; 3.E.238.244; 3.E.239.228;
3.E.239.229; 3.E.239.230; 3.E.239.231; 3.E.239.236; 3.E.239.237; 3.E.239.238;
3.E.239.239; 3.E.239.154; 3.E.239.157; 3.E.239.166; 3.E.239.169; 3.E.239.172;
3.E.239.175; 3.E.239.240; 3.E.239.244; 3.E.154.228; 3.E.154.229; 3.E.154.230;
25 3.E.154.231; 3.E.154.236; 3.E.154.237; 3.E.154.238; 3.E.154.239; 3.E.154.154;
3.E.154.157; 3.E.154.166; 3.E.154.169; 3.E.154.172; 3.E.154.175; 3.E.154.240;
3.E.154.244; 3.E.157.228; 3.E.157.229; 3.E.157.230; 3.E.157.231; 3.E.157.236;
3.E.157.237; 3.E.157.238; 3.E.157.239; 3.E.157.154; 3.E.157.157; 3.E.157.166;
3.E.157.169; 3.E.157.172; 3.E.157.175; 3.E.157.240; 3.E.157.244; 3.E.166.228;
30 3.E.166.229; 3.E.166.230; 3.E.166.231; 3.E.166.236; 3.E.166.237; 3.E.166.238;
3.E.166.239; 3.E.166.154; 3.E.166.157; 3.E.166.166; 3.E.166.169; 3.E.166.172;

3.E.166.175; 3.E.166.240; 3.E.166.244; 3.E.169.228; 3.E.169.229; 3.E.169.230;
3.E.169.231; 3.E.169.236; 3.E.169.237; 3.E.169.238; 3.E.169.239; 3.E.169.154;
3.E.169.157; 3.E.169.166; 3.E.169.169; 3.E.169.172; 3.E.169.175; 3.E.169.240;
3.E.169.244; 3.E.172.228; 3.E.172.229; 3.E.172.230; 3.E.172.231; 3.E.172.236;
5 3.E.172.237; 3.E.172.238; 3.E.172.239; 3.E.172.154; 3.E.172.157; 3.E.172.166;
3.E.172.169; 3.E.172.172; 3.E.172.175; 3.E.172.240; 3.E.172.244; 3.E.175.228;
3.E.175.229; 3.E.175.230; 3.E.175.231; 3.E.175.236; 3.E.175.237; 3.E.175.238;
3.E.175.239; 3.E.175.154; 3.E.175.157; 3.E.175.166; 3.E.175.169; 3.E.175.172;
3.E.175.175; 3.E.175.240; 3.E.175.244; 3.E.240.228; 3.E.240.229; 3.E.240.230;
10 3.E.240.231; 3.E.240.236; 3.E.240.237; 3.E.240.238; 3.E.240.239; 3.E.240.154;
3.E.240.157; 3.E.240.166; 3.E.240.169; 3.E.240.172; 3.E.240.175; 3.E.240.240;
3.E.240.244; 3.E.244.228; 3.E.244.229; 3.E.244.230; 3.E.244.231; 3.E.244.236;
3.E.244.237; 3.E.244.238; 3.E.244.239; 3.E.244.154; 3.E.244.157; 3.E.244.166;
3.E.244.169; 3.E.244.172; 3.E.244.175; 3.E.244.240; 3.E.244.244;

15

Prodrugs of 3.G

3.G.228.228; 3.G.228.229; 3.G.228.230; 3.G.228.231; 3.G.228.236;
3.G.228.237; 3.G.228.238; 3.G.228.239; 3.G.228.154; 3.G.228.157;
3.G.228.166; 3.G.228.169; 3.G.228.172; 3.G.228.175; 3.G.228.240;
20 3.G.228.244; 3.G.229.228; 3.G.229.229; 3.G.229.230; 3.G.229.231;
3.G.229.236; 3.G.229.237; 3.G.229.238; 3.G.229.239; 3.G.229.154;
3.G.229.157; 3.G.229.166; 3.G.229.169; 3.G.229.172; 3.G.229.175;
3.G.229.240; 3.G.229.244; 3.G.230.228; 3.G.230.229; 3.G.230.230;
3.G.230.231; 3.G.230.236; 3.G.230.237; 3.G.230.238; 3.G.230.239;
25 3.G.230.154; 3.G.230.157; 3.G.230.166; 3.G.230.169; 3.G.230.172;
3.G.230.175; 3.G.230.240; 3.G.230.244; 3.G.231.228; 3.G.231.229;
3.G.231.230; 3.G.231.231; 3.G.231.236; 3.G.231.237; 3.G.231.238;
3.G.231.239; 3.G.231.154; 3.G.231.157; 3.G.231.166; 3.G.231.169;
3.G.231.172; 3.G.231.175; 3.G.231.240; 3.G.231.244; 3.G.236.228;
30 3.G.236.229; 3.G.236.230; 3.G.236.231; 3.G.236.236; 3.G.236.237;
3.G.236.238; 3.G.236.239; 3.G.236.154; 3.G.236.157; 3.G.236.166;

3.G.236.169; 3.G.236.172; 3.G.236.175; 3.G.236.240; 3.G.236.244;
3.G.237.228; 3.G.237.229; 3.G.237.230; 3.G.237.231; 3.G.237.236;
3.G.237.237; 3.G.237.238; 3.G.237.239; 3.G.237.154; 3.G.237.157;
3.G.237.166; 3.G.237.169; 3.G.237.172; 3.G.237.175; 3.G.237.240;
5 3.G.237.244; 3.G.238.228; 3.G.238.229; 3.G.238.230; 3.G.238.231;
3.G.238.236; 3.G.238.237; 3.G.238.238; 3.G.238.239; 3.G.238.154;
3.G.238.157; 3.G.238.166; 3.G.238.169; 3.G.238.172; 3.G.238.175;
3.G.238.240; 3.G.238.244; 3.G.239.228; 3.G.239.229; 3.G.239.230;
3.G.239.231; 3.G.239.236; 3.G.239.237; 3.G.239.238; 3.G.239.239;
10 3.G.239.154; 3.G.239.157; 3.G.239.166; 3.G.239.169; 3.G.239.172;
3.G.239.175; 3.G.239.240; 3.G.239.244; 3.G.154.228; 3.G.154.229;
3.G.154.230; 3.G.154.231; 3.G.154.236; 3.G.154.237; 3.G.154.238;
3.G.154.239; 3.G.154.154; 3.G.154.157; 3.G.154.166; 3.G.154.169;
3.G.154.172; 3.G.154.175; 3.G.154.240; 3.G.154.244; 3.G.157.228;
15 3.G.157.229; 3.G.157.230; 3.G.157.231; 3.G.157.236; 3.G.157.237;
3.G.157.238; 3.G.157.239; 3.G.157.154; 3.G.157.157; 3.G.157.166;
3.G.157.169; 3.G.157.172; 3.G.157.175; 3.G.157.240; 3.G.157.244;
3.G.166.228; 3.G.166.229; 3.G.166.230; 3.G.166.231; 3.G.166.236;
3.G.166.237; 3.G.166.238; 3.G.166.239; 3.G.166.154; 3.G.166.157;
20 3.G.166.166; 3.G.166.169; 3.G.166.172; 3.G.166.175; 3.G.166.240;
3.G.166.244; 3.G.169.228; 3.G.169.229; 3.G.169.230; 3.G.169.231;
3.G.169.236; 3.G.169.237; 3.G.169.238; 3.G.169.239; 3.G.169.154;
3.G.169.157; 3.G.169.166; 3.G.169.169; 3.G.169.172; 3.G.169.175;
3.G.169.240; 3.G.169.244; 3.G.172.228; 3.G.172.229; 3.G.172.230;
25 3.G.172.231; 3.G.172.236; 3.G.172.237; 3.G.172.238; 3.G.172.239;
3.G.172.154; 3.G.172.157; 3.G.172.166; 3.G.172.169; 3.G.172.172;
3.G.172.175; 3.G.172.240; 3.G.172.244; 3.G.175.228; 3.G.175.229;
3.G.175.230; 3.G.175.231; 3.G.175.236; 3.G.175.237; 3.G.175.238;
3.G.175.239; 3.G.175.154; 3.G.175.157; 3.G.175.166; 3.G.175.169;
30 3.G.175.172; 3.G.175.175; 3.G.175.240; 3.G.175.244; 3.G.240.228;
3.G.240.229; 3.G.240.230; 3.G.240.231; 3.G.240.236; 3.G.240.237;

3.G.240.238; 3.G.240.239; 3.G.240.154; 3.G.240.157; 3.G.240.166;
3.G.240.169; 3.G.240.172; 3.G.240.175; 3.G.240.240; 3.G.240.244;
3.G.244.228; 3.G.244.229; 3.G.244.230; 3.G.244.231; 3.G.244.236;
3.G.244.237; 3.G.244.238; 3.G.244.239; 3.G.244.154; 3.G.244.157;
5 3.G.244.166; 3.G.244.169; 3.G.244.172; 3.G.244.175; 3.G.244.240;
3.G.244.244;

Prodrugs of 3.I

3.I.228.228; 3.I.228.229; 3.I.228.230; 3.I.228.231; 3.I.228.236; 3.I.228.237;
10 3.I.228.238; 3.I.228.239; 3.I.228.154; 3.I.228.157; 3.I.228.166; 3.I.228.169;
3.I.228.172; 3.I.228.175; 3.I.228.240; 3.I.228.244; 3.I.229.228; 3.I.229.229;
3.I.229.230; 3.I.229.231; 3.I.229.236; 3.I.229.237; 3.I.229.238; 3.I.229.239;
3.I.229.154; 3.I.229.157; 3.I.229.166; 3.I.229.169; 3.I.229.172; 3.I.229.175;
3.I.229.240; 3.I.229.244; 3.I.230.228; 3.I.230.229; 3.I.230.230; 3.I.230.231;
15 3.I.230.236; 3.I.230.237; 3.I.230.238; 3.I.230.239; 3.I.230.154; 3.I.230.157;
3.I.230.166; 3.I.230.169; 3.I.230.172; 3.I.230.175; 3.I.230.240; 3.I.230.244;
3.I.231.228; 3.I.231.229; 3.I.231.230; 3.I.231.231; 3.I.231.236; 3.I.231.237;
3.I.231.238; 3.I.231.239; 3.I.231.154; 3.I.231.157; 3.I.231.166; 3.I.231.169;
3.I.231.172; 3.I.231.175; 3.I.231.240; 3.I.231.244; 3.I.236.228; 3.I.236.229;
20 3.I.236.230; 3.I.236.231; 3.I.236.236; 3.I.236.237; 3.I.236.238; 3.I.236.239;
3.I.236.154; 3.I.236.157; 3.I.236.166; 3.I.236.169; 3.I.236.172; 3.I.236.175;
3.I.236.240; 3.I.236.244; 3.I.237.228; 3.I.237.229; 3.I.237.230; 3.I.237.231;
3.I.237.236; 3.I.237.237; 3.I.237.238; 3.I.237.239; 3.I.237.154; 3.I.237.157;
3.I.237.166; 3.I.237.169; 3.I.237.172; 3.I.237.175; 3.I.237.240; 3.I.237.244;
25 3.I.238.228; 3.I.238.229; 3.I.238.230; 3.I.238.231; 3.I.238.236; 3.I.238.237;
3.I.238.238; 3.I.238.239; 3.I.238.154; 3.I.238.157; 3.I.238.166; 3.I.238.169;
3.I.238.172; 3.I.238.175; 3.I.238.240; 3.I.238.244; 3.I.239.228; 3.I.239.229;
3.I.239.230; 3.I.239.231; 3.I.239.236; 3.I.239.237; 3.I.239.238; 3.I.239.239;
3.I.239.154; 3.I.239.157; 3.I.239.166; 3.I.239.169; 3.I.239.172; 3.I.239.175;
30 3.I.239.240; 3.I.239.244; 3.I.154.228; 3.I.154.229; 3.I.154.230; 3.I.154.231;
3.I.154.236; 3.I.154.237; 3.I.154.238; 3.I.154.239; 3.I.154.154; 3.I.154.157;

3.I.154.166; 3.I.154.169; 3.I.154.172; 3.I.154.175; 3.I.154.240; 3.I.154.244;
3.I.157.228; 3.I.157.229; 3.I.157.230; 3.I.157.231; 3.I.157.236; 3.I.157.237;
3.I.157.238; 3.I.157.239; 3.I.157.154; 3.I.157.157; 3.I.157.166; 3.I.157.169;
3.I.157.172; 3.I.157.175; 3.I.157.240; 3.I.157.244; 3.I.166.228; 3.I.166.229;
5 3.I.166.230; 3.I.166.231; 3.I.166.236; 3.I.166.237; 3.I.166.238; 3.I.166.239;
3.I.166.154; 3.I.166.157; 3.I.166.166; 3.I.166.169; 3.I.166.172; 3.I.166.175;
3.I.166.240; 3.I.166.244; 3.I.169.228; 3.I.169.229; 3.I.169.230; 3.I.169.231;
3.I.169.236; 3.I.169.237; 3.I.169.238; 3.I.169.239; 3.I.169.154; 3.I.169.157;
3.I.169.166; 3.I.169.169; 3.I.169.172; 3.I.169.175; 3.I.169.240; 3.I.169.244;
10 3.I.172.228; 3.I.172.229; 3.I.172.230; 3.I.172.231; 3.I.172.236; 3.I.172.237;
3.I.172.238; 3.I.172.239; 3.I.172.154; 3.I.172.157; 3.I.172.166; 3.I.172.169;
3.I.172.172; 3.I.172.175; 3.I.172.240; 3.I.172.244; 3.I.175.228; 3.I.175.229;
3.I.175.230; 3.I.175.231; 3.I.175.236; 3.I.175.237; 3.I.175.238; 3.I.175.239;
3.I.175.154; 3.I.175.157; 3.I.175.166; 3.I.175.169; 3.I.175.172; 3.I.175.175;
15 3.I.175.240; 3.I.175.244; 3.I.240.228; 3.I.240.229; 3.I.240.230; 3.I.240.231;
3.I.240.236; 3.I.240.237; 3.I.240.238; 3.I.240.239; 3.I.240.154; 3.I.240.157;
3.I.240.166; 3.I.240.169; 3.I.240.172; 3.I.240.175; 3.I.240.240; 3.I.240.244;
3.I.244.228; 3.I.244.229; 3.I.244.230; 3.I.244.231; 3.I.244.236; 3.I.244.237;
3.I.244.238; 3.I.244.239; 3.I.244.154; 3.I.244.157; 3.I.244.166; 3.I.244.169;
20 3.I.244.172; 3.I.244.175; 3.I.244.240; 3.I.244.244;

Prodrugs of 3.I

3.J.228.228; 3.J.228.229; 3.J.228.230; 3.J.228.231; 3.J.228.236; 3.J.228.237;
3.J.228.238; 3.J.228.239; 3.J.228.154; 3.J.228.157; 3.J.228.166; 3.J.228.169;
25 3.J.228.172; 3.J.228.175; 3.J.228.240; 3.J.228.244; 3.J.229.228; 3.J.229.229;
3.J.229.230; 3.J.229.231; 3.J.229.236; 3.J.229.237; 3.J.229.238; 3.J.229.239;
3.J.229.154; 3.J.229.157; 3.J.229.166; 3.J.229.169; 3.J.229.172; 3.J.229.175;
3.J.229.240; 3.J.229.244; 3.J.230.228; 3.J.230.229; 3.J.230.230; 3.J.230.231;
3.J.230.236; 3.J.230.237; 3.J.230.238; 3.J.230.239; 3.J.230.154; 3.J.230.157;
30 3.J.230.166; 3.J.230.169; 3.J.230.172; 3.J.230.175; 3.J.230.240; 3.J.230.244;
3.J.231.228; 3.J.231.229; 3.J.231.230; 3.J.231.231; 3.J.231.236; 3.J.231.237;

3.J.231.238; 3.J.231.239; 3.J.231.154; 3.J.231.157; 3.J.231.166; 3.J.231.169;
3.J.231.172; 3.J.231.175; 3.J.231.240; 3.J.231.244; 3.J.236.228; 3.J.236.229;
3.J.236.230; 3.J.236.231; 3.J.236.236; 3.J.236.237; 3.J.236.238; 3.J.236.239;
3.J.236.154; 3.J.236.157; 3.J.236.166; 3.J.236.169; 3.J.236.172; 3.J.236.175;
5 3.J.236.240; 3.J.236.244; 3.J.237.228; 3.J.237.229; 3.J.237.230; 3.J.237.231;
3.J.237.236; 3.J.237.237; 3.J.237.238; 3.J.237.239; 3.J.237.154; 3.J.237.157;
3.J.237.166; 3.J.237.169; 3.J.237.172; 3.J.237.175; 3.J.237.240; 3.J.237.244;
3.J.238.228; 3.J.238.229; 3.J.238.230; 3.J.238.231; 3.J.238.236; 3.J.238.237;
3.J.238.238; 3.J.238.239; 3.J.238.154; 3.J.238.157; 3.J.238.166; 3.J.238.169;
10 3.J.238.172; 3.J.238.175; 3.J.238.240; 3.J.238.244; 3.J.239.228; 3.J.239.229;
3.J.239.230; 3.J.239.231; 3.J.239.236; 3.J.239.237; 3.J.239.238; 3.J.239.239;
3.J.239.154; 3.J.239.157; 3.J.239.166; 3.J.239.169; 3.J.239.172; 3.J.239.175;
3.J.239.240; 3.J.239.244; 3.J.154.228; 3.J.154.229; 3.J.154.230; 3.J.154.231;
3.J.154.236; 3.J.154.237; 3.J.154.238; 3.J.154.239; 3.J.154.154; 3.J.154.157;
15 3.J.154.166; 3.J.154.169; 3.J.154.172; 3.J.154.175; 3.J.154.240; 3.J.154.244;
3.J.157.228; 3.J.157.229; 3.J.157.230; 3.J.157.231; 3.J.157.236; 3.J.157.237;
3.J.157.238; 3.J.157.239; 3.J.157.154; 3.J.157.157; 3.J.157.166; 3.J.157.169;
3.J.157.172; 3.J.157.175; 3.J.157.240; 3.J.157.244; 3.J.166.228; 3.J.166.229;
3.J.166.230; 3.J.166.231; 3.J.166.236; 3.J.166.237; 3.J.166.238; 3.J.166.239;
20 3.J.166.154; 3.J.166.157; 3.J.166.166; 3.J.166.169; 3.J.166.172; 3.J.166.175;
3.J.166.240; 3.J.166.244; 3.J.169.228; 3.J.169.229; 3.J.169.230; 3.J.169.231;
3.J.169.236; 3.J.169.237; 3.J.169.238; 3.J.169.239; 3.J.169.154; 3.J.169.157;
3.J.169.166; 3.J.169.169; 3.J.169.172; 3.J.169.175; 3.J.169.240; 3.J.169.244;
3.J.172.228; 3.J.172.229; 3.J.172.230; 3.J.172.231; 3.J.172.236; 3.J.172.237;
25 3.J.172.238; 3.J.172.239; 3.J.172.154; 3.J.172.157; 3.J.172.166; 3.J.172.169;
3.J.172.172; 3.J.172.175; 3.J.172.240; 3.J.172.244; 3.J.175.228; 3.J.175.229;
3.J.175.230; 3.J.175.231; 3.J.175.236; 3.J.175.237; 3.J.175.238; 3.J.175.239;
3.J.175.154; 3.J.175.157; 3.J.175.166; 3.J.175.169; 3.J.175.172; 3.J.175.175;
3.J.175.240; 3.J.175.244; 3.J.240.228; 3.J.240.229; 3.J.240.230; 3.J.240.231;
30 3.J.240.236; 3.J.240.237; 3.J.240.238; 3.J.240.239; 3.J.240.154; 3.J.240.157;
3.J.240.166; 3.J.240.169; 3.J.240.172; 3.J.240.175; 3.J.240.240; 3.J.240.244;

3.J.244.228; 3.J.244.229; 3.J.244.230; 3.J.244.231; 3.J.244.236; 3.J.244.237;
3.J.244.238; 3.J.244.239; 3.J.244.154; 3.J.244.157; 3.J.244.166; 3.J.244.169;
3.J.244.172; 3.J.244.175; 3.J.244.240; 3.J.244.244;

5 Prodrugs of 3.L

3.L.228.228; 3.L.228.229; 3.L.228.230; 3.L.228.231; 3.L.228.236;
3.L.228.237; 3.L.228.238; 3.L.228.239; 3.L.228.154; 3.L.228.157; 3.L.228.166;
3.L.228.169; 3.L.228.172; 3.L.228.175; 3.L.228.240; 3.L.228.244; 3.L.229.228;
3.L.229.229; 3.L.229.230; 3.L.229.231; 3.L.229.236; 3.L.229.237; 3.L.229.238;
10 3.L.229.239; 3.L.229.154; 3.L.229.157; 3.L.229.166; 3.L.229.169; 3.L.229.172;
3.L.229.175; 3.L.229.240; 3.L.229.244; 3.L.230.228; 3.L.230.229; 3.L.230.230;
3.L.230.231; 3.L.230.236; 3.L.230.237; 3.L.230.238; 3.L.230.239; 3.L.230.154;
3.L.230.157; 3.L.230.166; 3.L.230.169; 3.L.230.172; 3.L.230.175; 3.L.230.240;
3.L.230.244; 3.L.231.228; 3.L.231.229; 3.L.231.230; 3.L.231.231; 3.L.231.236;
15 3.L.231.237; 3.L.231.238; 3.L.231.239; 3.L.231.154; 3.L.231.157; 3.L.231.166;
3.L.231.169; 3.L.231.172; 3.L.231.175; 3.L.231.240; 3.L.231.244; 3.L.236.228;
3.L.236.229; 3.L.236.230; 3.L.236.231; 3.L.236.236; 3.L.236.237; 3.L.236.238;
3.L.236.239; 3.L.236.154; 3.L.236.157; 3.L.236.166; 3.L.236.169; 3.L.236.172;
3.L.236.175; 3.L.236.240; 3.L.236.244; 3.L.237.228; 3.L.237.229; 3.L.237.230;
20 3.L.237.231; 3.L.237.236; 3.L.237.237; 3.L.237.238; 3.L.237.239; 3.L.237.154;
3.L.237.157; 3.L.237.166; 3.L.237.169; 3.L.237.172; 3.L.237.175; 3.L.237.240;
3.L.237.244; 3.L.238.228; 3.L.238.229; 3.L.238.230; 3.L.238.231; 3.L.238.236;
3.L.238.237; 3.L.238.238; 3.L.238.239; 3.L.238.154; 3.L.238.157; 3.L.238.166;
3.L.238.169; 3.L.238.172; 3.L.238.175; 3.L.238.240; 3.L.238.244; 3.L.239.228;
25 3.L.239.229; 3.L.239.230; 3.L.239.231; 3.L.239.236; 3.L.239.237; 3.L.239.238;
3.L.239.239; 3.L.239.154; 3.L.239.157; 3.L.239.166; 3.L.239.169; 3.L.239.172;
3.L.239.175; 3.L.239.240; 3.L.239.244; 3.L.154.228; 3.L.154.229; 3.L.154.230;
3.L.154.231; 3.L.154.236; 3.L.154.237; 3.L.154.238; 3.L.154.239; 3.L.154.154;
3.L.154.157; 3.L.154.166; 3.L.154.169; 3.L.154.172; 3.L.154.175; 3.L.154.240;
30 3.L.154.244; 3.L.157.228; 3.L.157.229; 3.L.157.230; 3.L.157.231; 3.L.157.236;
3.L.157.237; 3.L.157.238; 3.L.157.239; 3.L.157.154; 3.L.157.157; 3.L.157.166;

3.L.157.169; 3.L.157.172; 3.L.157.175; 3.L.157.240; 3.L.157.244; 3.L.166.228;
3.L.166.229; 3.L.166.230; 3.L.166.231; 3.L.166.236; 3.L.166.237; 3.L.166.238;
3.L.166.239; 3.L.166.154; 3.L.166.157; 3.L.166.166; 3.L.166.169; 3.L.166.172;
3.L.166.175; 3.L.166.240; 3.L.166.244; 3.L.169.228; 3.L.169.229; 3.L.169.230;
5 3.L.169.231; 3.L.169.236; 3.L.169.237; 3.L.169.238; 3.L.169.239; 3.L.169.154;
3.L.169.157; 3.L.169.166; 3.L.169.169; 3.L.169.172; 3.L.169.175; 3.L.169.240;
3.L.169.244; 3.L.172.228; 3.L.172.229; 3.L.172.230; 3.L.172.231; 3.L.172.236;
3.L.172.237; 3.L.172.238; 3.L.172.239; 3.L.172.154; 3.L.172.157; 3.L.172.166;
3.L.172.169; 3.L.172.172; 3.L.172.175; 3.L.172.240; 3.L.172.244; 3.L.175.228;
10 3.L.175.229; 3.L.175.230; 3.L.175.231; 3.L.175.236; 3.L.175.237; 3.L.175.238;
3.L.175.239; 3.L.175.154; 3.L.175.157; 3.L.175.166; 3.L.175.169; 3.L.175.172;
3.L.175.175; 3.L.175.240; 3.L.175.244; 3.L.240.228; 3.L.240.229; 3.L.240.230;
3.L.240.231; 3.L.240.236; 3.L.240.237; 3.L.240.238; 3.L.240.239; 3.L.240.154;
3.L.240.157; 3.L.240.166; 3.L.240.169; 3.L.240.172; 3.L.240.175; 3.L.240.240;
15 3.L.240.244; 3.L.244.228; 3.L.244.229; 3.L.244.230; 3.L.244.231; 3.L.244.236;
3.L.244.237; 3.L.244.238; 3.L.244.239; 3.L.244.154; 3.L.244.157; 3.L.244.166;
3.L.244.169; 3.L.244.172; 3.L.244.175; 3.L.244.240; 3.L.244.244;

Prodrugs of 3.O

20 3.O.228.228; 3.O.228.229; 3.O.228.230; 3.O.228.231; 3.O.228.236;
3.O.228.237; 3.O.228.238; 3.O.228.239; 3.O.228.154; 3.O.228.157;
3.O.228.166; 3.O.228.169; 3.O.228.172; 3.O.228.175; 3.O.228.240;
3.O.228.244; 3.O.229.228; 3.O.229.229; 3.O.229.230; 3.O.229.231;
3.O.229.236; 3.O.229.237; 3.O.229.238; 3.O.229.239; 3.O.229.154;
25 3.O.229.157; 3.O.229.166; 3.O.229.169; 3.O.229.172; 3.O.229.175;
3.O.229.240; 3.O.229.244; 3.O.230.228; 3.O.230.229; 3.O.230.230;
3.O.230.231; 3.O.230.236; 3.O.230.237; 3.O.230.238; 3.O.230.239;
3.O.230.154; 3.O.230.157; 3.O.230.166; 3.O.230.169; 3.O.230.172;
3.O.230.175; 3.O.230.240; 3.O.230.244; 3.O.231.228; 3.O.231.229;
30 3.O.231.230; 3.O.231.231; 3.O.231.236; 3.O.231.237; 3.O.231.238;
3.O.231.239; 3.O.231.154; 3.O.231.157; 3.O.231.166; 3.O.231.169;

3.O.231.172; 3.O.231.175; 3.O.231.240; 3.O.231.244; 3.O.236.228;
3.O.236.229; 3.O.236.230; 3.O.236.231; 3.O.236.236; 3.O.236.237;
3.O.236.238; 3.O.236.239; 3.O.236.154; 3.O.236.157; 3.O.236.166;
3.O.236.169; 3.O.236.172; 3.O.236.175; 3.O.236.240; 3.O.236.244;
5 3.O.237.228; 3.O.237.229; 3.O.237.230; 3.O.237.231; 3.O.237.236;
3.O.237.237; 3.O.237.238; 3.O.237.239; 3.O.237.154; 3.O.237.157;
3.O.237.166; 3.O.237.169; 3.O.237.172; 3.O.237.175; 3.O.237.240;
3.O.237.244; 3.O.238.228; 3.O.238.229; 3.O.238.230; 3.O.238.231;
3.O.238.236; 3.O.238.237; 3.O.238.238; 3.O.238.239; 3.O.238.154;
10 3.O.238.157; 3.O.238.166; 3.O.238.169; 3.O.238.172; 3.O.238.175;
3.O.238.240; 3.O.238.244; 3.O.239.228; 3.O.239.229; 3.O.239.230;
3.O.239.231; 3.O.239.236; 3.O.239.237; 3.O.239.238; 3.O.239.239;
3.O.239.154; 3.O.239.157; 3.O.239.166; 3.O.239.169; 3.O.239.172;
3.O.239.175; 3.O.239.240; 3.O.239.244; 3.O.154.228; 3.O.154.229;
15 3.O.154.230; 3.O.154.231; 3.O.154.236; 3.O.154.237; 3.O.154.238;
3.O.154.239; 3.O.154.154; 3.O.154.157; 3.O.154.166; 3.O.154.169;
3.O.154.172; 3.O.154.175; 3.O.154.240; 3.O.154.244; 3.O.157.228;
3.O.157.229; 3.O.157.230; 3.O.157.231; 3.O.157.236; 3.O.157.237;
3.O.157.238; 3.O.157.239; 3.O.157.154; 3.O.157.157; 3.O.157.166;
20 3.O.157.169; 3.O.157.172; 3.O.157.175; 3.O.157.240; 3.O.157.244;
3.O.166.228; 3.O.166.229; 3.O.166.230; 3.O.166.231; 3.O.166.236;
3.O.166.237; 3.O.166.238; 3.O.166.239; 3.O.166.154; 3.O.166.157;
3.O.166.166; 3.O.166.169; 3.O.166.172; 3.O.166.175; 3.O.166.240;
3.O.166.244; 3.O.169.228; 3.O.169.229; 3.O.169.230; 3.O.169.231;
25 3.O.169.236; 3.O.169.237; 3.O.169.238; 3.O.169.239; 3.O.169.154;
3.O.169.157; 3.O.169.166; 3.O.169.169; 3.O.169.172; 3.O.169.175;
3.O.169.240; 3.O.169.244; 3.O.172.228; 3.O.172.229; 3.O.172.230;
3.O.172.231; 3.O.172.236; 3.O.172.237; 3.O.172.238; 3.O.172.239;
3.O.172.154; 3.O.172.157; 3.O.172.166; 3.O.172.169; 3.O.172.172;
30 3.O.172.175; 3.O.172.240; 3.O.172.244; 3.O.175.228; 3.O.175.229;
3.O.175.230; 3.O.175.231; 3.O.175.236; 3.O.175.237; 3.O.175.238;

3.O.175.239; 3.O.175.154; 3.O.175.157; 3.O.175.166; 3.O.175.169;
3.O.175.172; 3.O.175.175; 3.O.175.240; 3.O.175.244; 3.O.240.228;
3.O.240.229; 3.O.240.230; 3.O.240.231; 3.O.240.236; 3.O.240.237;
3.O.240.238; 3.O.240.239; 3.O.240.154; 3.O.240.157; 3.O.240.166;
5 3.O.240.169; 3.O.240.172; 3.O.240.175; 3.O.240.240; 3.O.240.244;
3.O.244.228; 3.O.244.229; 3.O.244.230; 3.O.244.231; 3.O.244.236;
3.O.244.237; 3.O.244.238; 3.O.244.239; 3.O.244.154; 3.O.244.157;
3.O.244.166; 3.O.244.169; 3.O.244.172; 3.O.244.175; 3.O.244.240;
3.O.244.244;

10

Prodrugs of 3.P

3.P.228.228; 3.P.228.229; 3.P.228.230; 3.P.228.231; 3.P.228.236;
3.P.228.237; 3.P.228.238; 3.P.228.239; 3.P.228.154; 3.P.228.157; 3.P.228.166;
3.P.228.169; 3.P.228.172; 3.P.228.175; 3.P.228.240; 3.P.228.244; 3.P.229.228;
15 3.P.229.229; 3.P.229.230; 3.P.229.231; 3.P.229.236; 3.P.229.237; 3.P.229.238;
3.P.229.239; 3.P.229.154; 3.P.229.157; 3.P.229.166; 3.P.229.169; 3.P.229.172;
3.P.229.175; 3.P.229.240; 3.P.229.244; 3.P.230.228; 3.P.230.229; 3.P.230.230;
3.P.230.231; 3.P.230.236; 3.P.230.237; 3.P.230.238; 3.P.230.239; 3.P.230.154;
3.P.230.157; 3.P.230.166; 3.P.230.169; 3.P.230.172; 3.P.230.175; 3.P.230.240;
20 3.P.230.244; 3.P.231.228; 3.P.231.229; 3.P.231.230; 3.P.231.231; 3.P.231.236;
3.P.231.237; 3.P.231.238; 3.P.231.239; 3.P.231.154; 3.P.231.157; 3.P.231.166;
3.P.231.169; 3.P.231.172; 3.P.231.175; 3.P.231.240; 3.P.231.244; 3.P.236.228;
3.P.236.229; 3.P.236.230; 3.P.236.231; 3.P.236.236; 3.P.236.237; 3.P.236.238;
3.P.236.239; 3.P.236.154; 3.P.236.157; 3.P.236.166; 3.P.236.169; 3.P.236.172;
25 3.P.236.175; 3.P.236.240; 3.P.236.244; 3.P.237.228; 3.P.237.229; 3.P.237.230;
3.P.237.231; 3.P.237.236; 3.P.237.237; 3.P.237.238; 3.P.237.239; 3.P.237.154;
3.P.237.157; 3.P.237.166; 3.P.237.169; 3.P.237.172; 3.P.237.175; 3.P.237.240;
3.P.237.244; 3.P.238.228; 3.P.238.229; 3.P.238.230; 3.P.238.231; 3.P.238.236;
3.P.238.237; 3.P.238.238; 3.P.238.239; 3.P.238.154; 3.P.238.157; 3.P.238.166;
30 3.P.238.169; 3.P.238.172; 3.P.238.175; 3.P.238.240; 3.P.238.244; 3.P.239.228;
3.P.239.229; 3.P.239.230; 3.P.239.231; 3.P.239.236; 3.P.239.237; 3.P.239.238;

3.P.239.239; 3.P.239.154; 3.P.239.157; 3.P.239.166; 3.P.239.169; 3.P.239.172;
3.P.239.175; 3.P.239.240; 3.P.239.244; 3.P.154.228; 3.P.154.229; 3.P.154.230;
3.P.154.231; 3.P.154.236; 3.P.154.237; 3.P.154.238; 3.P.154.239; 3.P.154.154;
3.P.154.157; 3.P.154.166; 3.P.154.169; 3.P.154.172; 3.P.154.175; 3.P.154.240;
5 3.P.154.244; 3.P.157.228; 3.P.157.229; 3.P.157.230; 3.P.157.231; 3.P.157.236;
3.P.157.237; 3.P.157.238; 3.P.157.239; 3.P.157.154; 3.P.157.157; 3.P.157.166;
3.P.157.169; 3.P.157.172; 3.P.157.175; 3.P.157.240; 3.P.157.244; 3.P.166.228;
3.P.166.229; 3.P.166.230; 3.P.166.231; 3.P.166.236; 3.P.166.237; 3.P.166.238;
3.P.166.239; 3.P.166.154; 3.P.166.157; 3.P.166.166; 3.P.166.169; 3.P.166.172;
10 3.P.166.175; 3.P.166.240; 3.P.166.244; 3.P.169.228; 3.P.169.229; 3.P.169.230;
3.P.169.231; 3.P.169.236; 3.P.169.237; 3.P.169.238; 3.P.169.239; 3.P.169.154;
3.P.169.157; 3.P.169.166; 3.P.169.169; 3.P.169.172; 3.P.169.175; 3.P.169.240;
3.P.169.244; 3.P.172.228; 3.P.172.229; 3.P.172.230; 3.P.172.231; 3.P.172.236;
3.P.172.237; 3.P.172.238; 3.P.172.239; 3.P.172.154; 3.P.172.157; 3.P.172.166;
15 3.P.172.169; 3.P.172.172; 3.P.172.175; 3.P.172.240; 3.P.172.244; 3.P.175.228;
3.P.175.229; 3.P.175.230; 3.P.175.231; 3.P.175.236; 3.P.175.237; 3.P.175.238;
3.P.175.239; 3.P.175.154; 3.P.175.157; 3.P.175.166; 3.P.175.169; 3.P.175.172;
3.P.175.175; 3.P.175.240; 3.P.175.244; 3.P.240.228; 3.P.240.229; 3.P.240.230;
3.P.240.231; 3.P.240.236; 3.P.240.237; 3.P.240.238; 3.P.240.239; 3.P.240.154;
20 3.P.240.157; 3.P.240.166; 3.P.240.169; 3.P.240.172; 3.P.240.175; 3.P.240.240;
3.P.240.244; 3.P.244.228; 3.P.244.229; 3.P.244.230; 3.P.244.231; 3.P.244.236;
3.P.244.237; 3.P.244.238; 3.P.244.239; 3.P.244.154; 3.P.244.157; 3.P.244.166;
3.P.244.169; 3.P.244.172; 3.P.244.175; 3.P.244.240; 3.P.244.244;

25 Prodrugs of 3.U

3.U.228.228; 3.U.228.229; 3.U.228.230; 3.U.228.231; 3.U.228.236;
3.U.228.237; 3.U.228.238; 3.U.228.239; 3.U.228.154; 3.U.228.157;
3.U.228.166; 3.U.228.169; 3.U.228.172; 3.U.228.175; 3.U.228.240;
3.U.228.244; 3.U.229.228; 3.U.229.229; 3.U.229.230; 3.U.229.231;
30 3.U.229.236; 3.U.229.237; 3.U.229.238; 3.U.229.239; 3.U.229.154;
3.U.229.157; 3.U.229.166; 3.U.229.169; 3.U.229.172; 3.U.229.175;

3.U.229.240; 3.U.229.244; 3.U.230.228; 3.U.230.229; 3.U.230.230;
3.U.230.231; 3.U.230.236; 3.U.230.237; 3.U.230.238; 3.U.230.239;
3.U.230.154; 3.U.230.157; 3.U.230.166; 3.U.230.169; 3.U.230.172;
3.U.230.175; 3.U.230.240; 3.U.230.244; 3.U.231.228; 3.U.231.229;
5 3.U.231.230; 3.U.231.231; 3.U.231.236; 3.U.231.237; 3.U.231.238;
3.U.231.239; 3.U.231.154; 3.U.231.157; 3.U.231.166; 3.U.231.169;
3.U.231.172; 3.U.231.175; 3.U.231.240; 3.U.231.244; 3.U.236.228;
3.U.236.229; 3.U.236.230; 3.U.236.231; 3.U.236.236; 3.U.236.237;
3.U.236.238; 3.U.236.239; 3.U.236.154; 3.U.236.157; 3.U.236.166;
10 3.U.236.169; 3.U.236.172; 3.U.236.175; 3.U.236.240; 3.U.236.244;
3.U.237.228; 3.U.237.229; 3.U.237.230; 3.U.237.231; 3.U.237.236;
3.U.237.237; 3.U.237.238; 3.U.237.239; 3.U.237.154; 3.U.237.157;
3.U.237.166; 3.U.237.169; 3.U.237.172; 3.U.237.175; 3.U.237.240;
3.U.237.244; 3.U.238.228; 3.U.238.229; 3.U.238.230; 3.U.238.231;
15 3.U.238.236; 3.U.238.237; 3.U.238.238; 3.U.238.239; 3.U.238.154;
3.U.238.157; 3.U.238.166; 3.U.238.169; 3.U.238.172; 3.U.238.175;
3.U.238.240; 3.U.238.244; 3.U.239.228; 3.U.239.229; 3.U.239.230;
3.U.239.231; 3.U.239.236; 3.U.239.237; 3.U.239.238; 3.U.239.239;
3.U.239.154; 3.U.239.157; 3.U.239.166; 3.U.239.169; 3.U.239.172;
20 3.U.239.175; 3.U.239.240; 3.U.239.244; 3.U.154.228; 3.U.154.229;
3.U.154.230; 3.U.154.231; 3.U.154.236; 3.U.154.237; 3.U.154.238;
3.U.154.239; 3.U.154.154; 3.U.154.157; 3.U.154.166; 3.U.154.169;
3.U.154.172; 3.U.154.175; 3.U.154.240; 3.U.154.244; 3.U.157.228;
3.U.157.229; 3.U.157.230; 3.U.157.231; 3.U.157.236; 3.U.157.237;
25 3.U.157.238; 3.U.157.239; 3.U.157.154; 3.U.157.157; 3.U.157.166;
3.U.157.169; 3.U.157.172; 3.U.157.175; 3.U.157.240; 3.U.157.244;
3.U.166.228; 3.U.166.229; 3.U.166.230; 3.U.166.231; 3.U.166.236;
3.U.166.237; 3.U.166.238; 3.U.166.239; 3.U.166.154; 3.U.166.157;
3.U.166.166; 3.U.166.169; 3.U.166.172; 3.U.166.175; 3.U.166.240;
30 3.U.166.244; 3.U.169.228; 3.U.169.229; 3.U.169.230; 3.U.169.231;
3.U.169.236; 3.U.169.237; 3.U.169.238; 3.U.169.239; 3.U.169.154;

3.U.169.157; 3.U.169.166; 3.U.169.169; 3.U.169.172; 3.U.169.175;
3.U.169.240; 3.U.169.244; 3.U.172.228; 3.U.172.229; 3.U.172.230;
3.U.172.231; 3.U.172.236; 3.U.172.237; 3.U.172.238; 3.U.172.239;
3.U.172.154; 3.U.172.157; 3.U.172.166; 3.U.172.169; 3.U.172.172;
5 3.U.172.175; 3.U.172.240; 3.U.172.244; 3.U.175.228; 3.U.175.229;
3.U.175.230; 3.U.175.231; 3.U.175.236; 3.U.175.237; 3.U.175.238;
3.U.175.239; 3.U.175.154; 3.U.175.157; 3.U.175.166; 3.U.175.169;
3.U.175.172; 3.U.175.175; 3.U.175.240; 3.U.175.244; 3.U.240.228;
3.U.240.229; 3.U.240.230; 3.U.240.231; 3.U.240.236; 3.U.240.237;
10 3.U.240.238; 3.U.240.239; 3.U.240.154; 3.U.240.157; 3.U.240.166;
3.U.240.169; 3.U.240.172; 3.U.240.175; 3.U.240.240; 3.U.240.244;
3.U.244.228; 3.U.244.229; 3.U.244.230; 3.U.244.231; 3.U.244.236;
3.U.244.237; 3.U.244.238; 3.U.244.239; 3.U.244.154; 3.U.244.157;
3.U.244.166; 3.U.244.169; 3.U.244.172; 3.U.244.175; 3.U.244.240;
15 3.U.244.244;

Prodrugs of 3.W

3.W.228.228; 3.W.228.229; 3.W.228.230; 3.W.228.231; 3.W.228.236;
3.W.228.237; 3.W.228.238; 3.W.228.239; 3.W.228.154; 3.W.228.157;
20 3.W.228.166; 3.W.228.169; 3.W.228.172; 3.W.228.175; 3.W.228.240;
3.W.228.244; 3.W.229.228; 3.W.229.229; 3.W.229.230; 3.W.229.231;
3.W.229.236; 3.W.229.237; 3.W.229.238; 3.W.229.239; 3.W.229.154;
3.W.229.157; 3.W.229.166; 3.W.229.169; 3.W.229.172; 3.W.229.175;
3.W.229.240; 3.W.229.244; 3.W.230.228; 3.W.230.229; 3.W.230.230;
25 3.W.230.231; 3.W.230.236; 3.W.230.237; 3.W.230.238; 3.W.230.239;
3.W.230.154; 3.W.230.157; 3.W.230.166; 3.W.230.169; 3.W.230.172;
3.W.230.175; 3.W.230.240; 3.W.230.244; 3.W.231.228; 3.W.231.229;
3.W.231.230; 3.W.231.231; 3.W.231.236; 3.W.231.237; 3.W.231.238;
3.W.231.239; 3.W.231.154; 3.W.231.157; 3.W.231.166; 3.W.231.169;
30 3.W.231.172; 3.W.231.175; 3.W.231.240; 3.W.231.244; 3.W.236.228;
3.W.236.229; 3.W.236.230; 3.W.236.231; 3.W.236.236; 3.W.236.237;

3.W.236.238; 3.W.236.239; 3.W.236.154; 3.W.236.157; 3.W.236.166;
3.W.236.169; 3.W.236.172; 3.W.236.175; 3.W.236.240; 3.W.236.244;
3.W.237.228; 3.W.237.229; 3.W.237.230; 3.W.237.231; 3.W.237.236;
3.W.237.237; 3.W.237.238; 3.W.237.239; 3.W.237.154; 3.W.237.157;
5 3.W.237.166; 3.W.237.169; 3.W.237.172; 3.W.237.175; 3.W.237.240;
3.W.237.244; 3.W.238.228; 3.W.238.229; 3.W.238.230; 3.W.238.231;
3.W.238.236; 3.W.238.237; 3.W.238.238; 3.W.238.239; 3.W.238.154;
3.W.238.157; 3.W.238.166; 3.W.238.169; 3.W.238.172; 3.W.238.175;
3.W.238.240; 3.W.238.244; 3.W.239.228; 3.W.239.229; 3.W.239.230;
10 3.W.239.231; 3.W.239.236; 3.W.239.237; 3.W.239.238; 3.W.239.239;
3.W.239.154; 3.W.239.157; 3.W.239.166; 3.W.239.169; 3.W.239.172;
3.W.239.175; 3.W.239.240; 3.W.239.244; 3.W.154.228; 3.W.154.229;
3.W.154.230; 3.W.154.231; 3.W.154.236; 3.W.154.237; 3.W.154.238;
3.W.154.239; 3.W.154.154; 3.W.154.157; 3.W.154.166; 3.W.154.169;
15 3.W.154.172; 3.W.154.175; 3.W.154.240; 3.W.154.244; 3.W.157.228;
3.W.157.229; 3.W.157.230; 3.W.157.231; 3.W.157.236; 3.W.157.237;
3.W.157.238; 3.W.157.239; 3.W.157.154; 3.W.157.157; 3.W.157.166;
3.W.157.169; 3.W.157.172; 3.W.157.175; 3.W.157.240; 3.W.157.244;
3.W.166.228; 3.W.166.229; 3.W.166.230; 3.W.166.231; 3.W.166.236;
20 3.W.166.237; 3.W.166.238; 3.W.166.239; 3.W.166.154; 3.W.166.157;
3.W.166.166; 3.W.166.169; 3.W.166.172; 3.W.166.175; 3.W.166.240;
3.W.166.244; 3.W.169.228; 3.W.169.229; 3.W.169.230; 3.W.169.231;
3.W.169.236; 3.W.169.237; 3.W.169.238; 3.W.169.239; 3.W.169.154;
3.W.169.157; 3.W.169.166; 3.W.169.169; 3.W.169.172; 3.W.169.175;
25 3.W.169.240; 3.W.169.244; 3.W.172.228; 3.W.172.229; 3.W.172.230;
3.W.172.231; 3.W.172.236; 3.W.172.237; 3.W.172.238; 3.W.172.239;
3.W.172.154; 3.W.172.157; 3.W.172.166; 3.W.172.169; 3.W.172.172;
3.W.172.175; 3.W.172.240; 3.W.172.244; 3.W.175.228; 3.W.175.229;
3.W.175.230; 3.W.175.231; 3.W.175.236; 3.W.175.237; 3.W.175.238;
30 3.W.175.239; 3.W.175.154; 3.W.175.157; 3.W.175.166; 3.W.175.169;
3.W.175.172; 3.W.175.175; 3.W.175.240; 3.W.175.244; 3.W.240.228;

3.W.240.229; 3.W.240.230; 3.W.240.231; 3.W.240.236; 3.W.240.237;
 3.W.240.238; 3.W.240.239; 3.W.240.154; 3.W.240.157; 3.W.240.166;
 3.W.240.169; 3.W.240.172; 3.W.240.175; 3.W.240.240; 3.W.240.244;
 3.W.244.228; 3.W.244.229; 3.W.244.230; 3.W.244.231; 3.W.244.236;
 5 3.W.244.237; 3.W.244.238; 3.W.244.239; 3.W.244.154; 3.W.244.157;
 3.W.244.166; 3.W.244.169; 3.W.244.172; 3.W.244.175; 3.W.244.240;
 3.W.244.244;

Prodrugs of 3.Y

10 3.Y.228.228; 3.Y.228.229; 3.Y.228.230; 3.Y.228.231; 3.Y.228.236;
 3.Y.228.237; 3.Y.228.238; 3.Y.228.239; 3.Y.228.154; 3.Y.228.157; 3.Y.228.166;
 3.Y.228.169; 3.Y.228.172; 3.Y.228.175; 3.Y.228.240; 3.Y.228.244; 3.Y.229.228;
 3.Y.229.229; 3.Y.229.230; 3.Y.229.231; 3.Y.229.236; 3.Y.229.237; 3.Y.229.238;
 3.Y.229.239; 3.Y.229.154; 3.Y.229.157; 3.Y.229.166; 3.Y.229.169; 3.Y.229.172;
 15 3.Y.229.175; 3.Y.229.240; 3.Y.229.244; 3.Y.230.228; 3.Y.230.229; 3.Y.230.230;
 3.Y.230.231; 3.Y.230.236; 3.Y.230.237; 3.Y.230.238; 3.Y.230.239; 3.Y.230.154;
 3.Y.230.157; 3.Y.230.166; 3.Y.230.169; 3.Y.230.172; 3.Y.230.175; 3.Y.230.240;
 3.Y.230.244; 3.Y.231.228; 3.Y.231.229; 3.Y.231.230; 3.Y.231.231; 3.Y.231.236;
 3.Y.231.237; 3.Y.231.238; 3.Y.231.239; 3.Y.231.154; 3.Y.231.157; 3.Y.231.166;
 20 3.Y.231.169; 3.Y.231.172; 3.Y.231.175; 3.Y.231.240; 3.Y.231.244; 3.Y.236.228;
 3.Y.236.229; 3.Y.236.230; 3.Y.236.231; 3.Y.236.236; 3.Y.236.237; 3.Y.236.238;
 3.Y.236.239; 3.Y.236.154; 3.Y.236.157; 3.Y.236.166; 3.Y.236.169; 3.Y.236.172;
 3.Y.236.175; 3.Y.236.240; 3.Y.236.244; 3.Y.237.228; 3.Y.237.229; 3.Y.237.230;
 3.Y.237.231; 3.Y.237.236; 3.Y.237.237; 3.Y.237.238; 3.Y.237.239; 3.Y.237.154;
 25 3.Y.237.157; 3.Y.237.166; 3.Y.237.169; 3.Y.237.172; 3.Y.237.175; 3.Y.237.240;
 3.Y.237.244; 3.Y.238.228; 3.Y.238.229; 3.Y.238.230; 3.Y.238.231; 3.Y.238.236;
 3.Y.238.237; 3.Y.238.238; 3.Y.238.239; 3.Y.238.154; 3.Y.238.157; 3.Y.238.166;
 3.Y.238.169; 3.Y.238.172; 3.Y.238.175; 3.Y.238.240; 3.Y.238.244; 3.Y.239.228;
 3.Y.239.229; 3.Y.239.230; 3.Y.239.231; 3.Y.239.236; 3.Y.239.237; 3.Y.239.238;
 30 3.Y.239.239; 3.Y.239.154; 3.Y.239.157; 3.Y.239.166; 3.Y.239.169; 3.Y.239.172;
 3.Y.239.175; 3.Y.239.240; 3.Y.239.244; 3.Y.154.228; 3.Y.154.229; 3.Y.154.230;

3.Y.154.231; 3.Y.154.236; 3.Y.154.237; 3.Y.154.238; 3.Y.154.239; 3.Y.154.154;
 3.Y.154.157; 3.Y.154.166; 3.Y.154.169; 3.Y.154.172; 3.Y.154.175; 3.Y.154.240;
 3.Y.154.244; 3.Y.157.228; 3.Y.157.229; 3.Y.157.230; 3.Y.157.231; 3.Y.157.236;
 3.Y.157.237; 3.Y.157.238; 3.Y.157.239; 3.Y.157.154; 3.Y.157.157; 3.Y.157.166;
 5 3.Y.157.169; 3.Y.157.172; 3.Y.157.175; 3.Y.157.240; 3.Y.157.244; 3.Y.166.228;
 3.Y.166.229; 3.Y.166.230; 3.Y.166.231; 3.Y.166.236; 3.Y.166.237; 3.Y.166.238;
 3.Y.166.239; 3.Y.166.154; 3.Y.166.157; 3.Y.166.166; 3.Y.166.169; 3.Y.166.172;
 3.Y.166.175; 3.Y.166.240; 3.Y.166.244; 3.Y.169.228; 3.Y.169.229; 3.Y.169.230;
 3.Y.169.231; 3.Y.169.236; 3.Y.169.237; 3.Y.169.238; 3.Y.169.239; 3.Y.169.154;
 10 3.Y.169.157; 3.Y.169.166; 3.Y.169.169; 3.Y.169.172; 3.Y.169.175; 3.Y.169.240;
 3.Y.169.244; 3.Y.172.228; 3.Y.172.229; 3.Y.172.230; 3.Y.172.231; 3.Y.172.236;
 3.Y.172.237; 3.Y.172.238; 3.Y.172.239; 3.Y.172.154; 3.Y.172.157; 3.Y.172.166;
 3.Y.172.169; 3.Y.172.172; 3.Y.172.175; 3.Y.172.240; 3.Y.172.244; 3.Y.175.228;
 3.Y.175.229; 3.Y.175.230; 3.Y.175.231; 3.Y.175.236; 3.Y.175.237; 3.Y.175.238;
 15 3.Y.175.239; 3.Y.175.154; 3.Y.175.157; 3.Y.175.166; 3.Y.175.169; 3.Y.175.172;
 3.Y.175.175; 3.Y.175.240; 3.Y.175.244; 3.Y.240.228; 3.Y.240.229; 3.Y.240.230;
 3.Y.240.231; 3.Y.240.236; 3.Y.240.237; 3.Y.240.238; 3.Y.240.239; 3.Y.240.154;
 3.Y.240.157; 3.Y.240.166; 3.Y.240.169; 3.Y.240.172; 3.Y.240.175; 3.Y.240.240;
 3.Y.240.244; 3.Y.244.228; 3.Y.244.229; 3.Y.244.230; 3.Y.244.231; 3.Y.244.236;
 20 3.Y.244.237; 3.Y.244.238; 3.Y.244.239; 3.Y.244.154; 3.Y.244.157; 3.Y.244.166;
 3.Y.244.169; 3.Y.244.172; 3.Y.244.175; 3.Y.244.240; 3.Y.244.244;

Prodrugs of 4.B

4.B.228.228; 4.B.228.229; 4.B.228.230; 4.B.228.231; 4.B.228.236;
 25 4.B.228.237; 4.B.228.238; 4.B.228.239; 4.B.228.154; 4.B.228.157; 4.B.228.166;
 4.B.228.169; 4.B.228.172; 4.B.228.175; 4.B.228.240; 4.B.228.244; 4.B.229.228;
 4.B.229.229; 4.B.229.230; 4.B.229.231; 4.B.229.236; 4.B.229.237; 4.B.229.238;
 4.B.229.239; 4.B.229.154; 4.B.229.157; 4.B.229.166; 4.B.229.169; 4.B.229.172;
 4.B.229.175; 4.B.229.240; 4.B.229.244; 4.B.230.228; 4.B.230.229; 4.B.230.230;
 30 4.B.230.231; 4.B.230.236; 4.B.230.237; 4.B.230.238; 4.B.230.239; 4.B.230.154;
 4.B.230.157; 4.B.230.166; 4.B.230.169; 4.B.230.172; 4.B.230.175; 4.B.230.240;

- 4.B.230.244; 4.B.231.228; 4.B.231.229; 4.B.231.230; 4.B.231.231; 4.B.231.236;
4.B.231.237; 4.B.231.238; 4.B.231.239; 4.B.231.154; 4.B.231.157; 4.B.231.166;
4.B.231.169; 4.B.231.172; 4.B.231.175; 4.B.231.240; 4.B.231.244; 4.B.236.228;
4.B.236.229; 4.B.236.230; 4.B.236.231; 4.B.236.236; 4.B.236.237; 4.B.236.238;
5 4.B.236.239; 4.B.236.154; 4.B.236.157; 4.B.236.166; 4.B.236.169; 4.B.236.172;
4.B.236.175; 4.B.236.240; 4.B.236.244; 4.B.237.228; 4.B.237.229; 4.B.237.230;
4.B.237.231; 4.B.237.236; 4.B.237.237; 4.B.237.238; 4.B.237.239; 4.B.237.154;
4.B.237.157; 4.B.237.166; 4.B.237.169; 4.B.237.172; 4.B.237.175; 4.B.237.240;
4.B.237.244; 4.B.238.228; 4.B.238.229; 4.B.238.230; 4.B.238.231; 4.B.238.236;
10 4.B.238.237; 4.B.238.238; 4.B.238.239; 4.B.238.154; 4.B.238.157; 4.B.238.166;
4.B.238.169; 4.B.238.172; 4.B.238.175; 4.B.238.240; 4.B.238.244; 4.B.239.228;
4.B.239.229; 4.B.239.230; 4.B.239.231; 4.B.239.236; 4.B.239.237; 4.B.239.238;
4.B.239.239; 4.B.239.154; 4.B.239.157; 4.B.239.166; 4.B.239.169; 4.B.239.172;
4.B.239.175; 4.B.239.240; 4.B.239.244; 4.B.154.228; 4.B.154.229; 4.B.154.230;
15 4.B.154.231; 4.B.154.236; 4.B.154.237; 4.B.154.238; 4.B.154.239; 4.B.154.154;
4.B.154.157; 4.B.154.166; 4.B.154.169; 4.B.154.172; 4.B.154.175; 4.B.154.240;
4.B.154.244; 4.B.157.228; 4.B.157.229; 4.B.157.230; 4.B.157.231; 4.B.157.236;
4.B.157.237; 4.B.157.238; 4.B.157.239; 4.B.157.154; 4.B.157.157; 4.B.157.166;
4.B.157.169; 4.B.157.172; 4.B.157.175; 4.B.157.240; 4.B.157.244; 4.B.166.228;
20 4.B.166.229; 4.B.166.230; 4.B.166.231; 4.B.166.236; 4.B.166.237; 4.B.166.238;
4.B.166.239; 4.B.166.154; 4.B.166.157; 4.B.166.166; 4.B.166.169; 4.B.166.172;
4.B.166.175; 4.B.166.240; 4.B.166.244; 4.B.169.228; 4.B.169.229; 4.B.169.230;
4.B.169.231; 4.B.169.236; 4.B.169.237; 4.B.169.238; 4.B.169.239; 4.B.169.154;
4.B.169.157; 4.B.169.166; 4.B.169.169; 4.B.169.172; 4.B.169.175; 4.B.169.240;
25 4.B.169.244; 4.B.172.228; 4.B.172.229; 4.B.172.230; 4.B.172.231; 4.B.172.236;
4.B.172.237; 4.B.172.238; 4.B.172.239; 4.B.172.154; 4.B.172.157; 4.B.172.166;
4.B.172.169; 4.B.172.172; 4.B.172.175; 4.B.172.240; 4.B.172.244; 4.B.175.228;
4.B.175.229; 4.B.175.230; 4.B.175.231; 4.B.175.236; 4.B.175.237; 4.B.175.238;
4.B.175.239; 4.B.175.154; 4.B.175.157; 4.B.175.166; 4.B.175.169; 4.B.175.172;
30 4.B.175.175; 4.B.175.240; 4.B.175.244; 4.B.240.228; 4.B.240.229; 4.B.240.230;
4.B.240.231; 4.B.240.236; 4.B.240.237; 4.B.240.238; 4.B.240.239; 4.B.240.154;

4.B.240.157; 4.B.240.166; 4.B.240.169; 4.B.240.172; 4.B.240.175; 4.B.240.240;
 4.B.240.244; 4.B.244.228; 4.B.244.229; 4.B.244.230; 4.B.244.231; 4.B.244.236;
 4.B.244.237; 4.B.244.238; 4.B.244.239; 4.B.244.154; 4.B.244.157; 4.B.244.166;
 4.B.244.169; 4.B.244.172; 4.B.244.175; 4.B.244.240; 4.B.244.244;

5

Prodrugs of 4.D

4.D.228.228; 4.D.228.229; 4.D.228.230; 4.D.228.231; 4.D.228.236;
 4.D.228.237; 4.D.228.238; 4.D.228.239; 4.D.228.154; 4.D.228.157;
 4.D.228.166; 4.D.228.169; 4.D.228.172; 4.D.228.175; 4.D.228.240;
 10 4.D.228.244; 4.D.229.228; 4.D.229.229; 4.D.229.230; 4.D.229.231;
 4.D.229.236; 4.D.229.237; 4.D.229.238; 4.D.229.239; 4.D.229.154;
 4.D.229.157; 4.D.229.166; 4.D.229.169; 4.D.229.172; 4.D.229.175;
 4.D.229.240; 4.D.229.244; 4.D.230.228; 4.D.230.229; 4.D.230.230;
 4.D.230.231; 4.D.230.236; 4.D.230.237; 4.D.230.238; 4.D.230.239;
 15 4.D.230.154; 4.D.230.157; 4.D.230.166; 4.D.230.169; 4.D.230.172;
 4.D.230.175; 4.D.230.240; 4.D.230.244; 4.D.231.228; 4.D.231.229;
 4.D.231.230; 4.D.231.231; 4.D.231.236; 4.D.231.237; 4.D.231.238;
 4.D.231.239; 4.D.231.154; 4.D.231.157; 4.D.231.166; 4.D.231.169;
 4.D.231.172; 4.D.231.175; 4.D.231.240; 4.D.231.244; 4.D.236.228;
 20 4.D.236.229; 4.D.236.230; 4.D.236.231; 4.D.236.236; 4.D.236.237;
 4.D.236.238; 4.D.236.239; 4.D.236.154; 4.D.236.157; 4.D.236.166;
 4.D.236.169; 4.D.236.172; 4.D.236.175; 4.D.236.240; 4.D.236.244;
 4.D.237.228; 4.D.237.229; 4.D.237.230; 4.D.237.231; 4.D.237.236;
 4.D.237.237; 4.D.237.238; 4.D.237.239; 4.D.237.154; 4.D.237.157;
 25 4.D.237.166; 4.D.237.169; 4.D.237.172; 4.D.237.175; 4.D.237.240;
 4.D.237.244; 4.D.238.228; 4.D.238.229; 4.D.238.230; 4.D.238.231;
 4.D.238.236; 4.D.238.237; 4.D.238.238; 4.D.238.239; 4.D.238.154;
 4.D.238.157; 4.D.238.166; 4.D.238.169; 4.D.238.172; 4.D.238.175;
 4.D.238.240; 4.D.238.244; 4.D.239.228; 4.D.239.229; 4.D.239.230;
 30 4.D.239.231; 4.D.239.236; 4.D.239.237; 4.D.239.238; 4.D.239.239;
 4.D.239.154; 4.D.239.157; 4.D.239.166; 4.D.239.169; 4.D.239.172;

- 4.D.239.175; 4.D.239.240; 4.D.239.244; 4.D.154.228; 4.D.154.229;
4.D.154.230; 4.D.154.231; 4.D.154.236; 4.D.154.237; 4.D.154.238;
4.D.154.239; 4.D.154.154; 4.D.154.157; 4.D.154.166; 4.D.154.169;
4.D.154.172; 4.D.154.175; 4.D.154.240; 4.D.154.244; 4.D.157.228;
5 4.D.157.229; 4.D.157.230; 4.D.157.231; 4.D.157.236; 4.D.157.237;
4.D.157.238; 4.D.157.239; 4.D.157.154; 4.D.157.157; 4.D.157.166;
4.D.157.169; 4.D.157.172; 4.D.157.175; 4.D.157.240; 4.D.157.244;
4.D.166.228; 4.D.166.229; 4.D.166.230; 4.D.166.231; 4.D.166.236;
4.D.166.237; 4.D.166.238; 4.D.166.239; 4.D.166.154; 4.D.166.157;
10 4.D.166.166; 4.D.166.169; 4.D.166.172; 4.D.166.175; 4.D.166.240;
4.D.166.244; 4.D.169.228; 4.D.169.229; 4.D.169.230; 4.D.169.231;
4.D.169.236; 4.D.169.237; 4.D.169.238; 4.D.169.239; 4.D.169.154;
4.D.169.157; 4.D.169.166; 4.D.169.169; 4.D.169.172; 4.D.169.175;
4.D.169.240; 4.D.169.244; 4.D.172.228; 4.D.172.229; 4.D.172.230;
15 4.D.172.231; 4.D.172.236; 4.D.172.237; 4.D.172.238; 4.D.172.239;
4.D.172.154; 4.D.172.157; 4.D.172.166; 4.D.172.169; 4.D.172.172;
4.D.172.175; 4.D.172.240; 4.D.172.244; 4.D.175.228; 4.D.175.229;
4.D.175.230; 4.D.175.231; 4.D.175.236; 4.D.175.237; 4.D.175.238;
4.D.175.239; 4.D.175.154; 4.D.175.157; 4.D.175.166; 4.D.175.169;
20 4.D.175.172; 4.D.175.175; 4.D.175.240; 4.D.175.244; 4.D.240.228;
4.D.240.229; 4.D.240.230; 4.D.240.231; 4.D.240.236; 4.D.240.237;
4.D.240.238; 4.D.240.239; 4.D.240.154; 4.D.240.157; 4.D.240.166;
4.D.240.169; 4.D.240.172; 4.D.240.175; 4.D.240.240; 4.D.240.244;
4.D.244.228; 4.D.244.229; 4.D.244.230; 4.D.244.231; 4.D.244.236;
25 4.D.244.237; 4.D.244.238; 4.D.244.239; 4.D.244.154; 4.D.244.157;
4.D.244.166; 4.D.244.169; 4.D.244.172; 4.D.244.175; 4.D.244.240;
4.D.244.244;

Prodrugs of 4.E

- 30 4.E.228.228; 4.E.228.229; 4.E.228.230; 4.E.228.231; 4.E.228.236;
4.E.228.237; 4.E.228.238; 4.E.228.239; 4.E.228.154; 4.E.228.157; 4.E.228.166;

4.E.228.169; 4.E.228.172; 4.E.228.175; 4.E.228.240; 4.E.228.244; 4.E.229.228;
4.E.229.229; 4.E.229.230; 4.E.229.231; 4.E.229.236; 4.E.229.237; 4.E.229.238;
4.E.229.239; 4.E.229.154; 4.E.229.157; 4.E.229.166; 4.E.229.169; 4.E.229.172;
4.E.229.175; 4.E.229.240; 4.E.229.244; 4.E.230.228; 4.E.230.229; 4.E.230.230;
5 4.E.230.231; 4.E.230.236; 4.E.230.237; 4.E.230.238; 4.E.230.239; 4.E.230.154;
4.E.230.157; 4.E.230.166; 4.E.230.169; 4.E.230.172; 4.E.230.175; 4.E.230.240;
4.E.230.244; 4.E.231.228; 4.E.231.229; 4.E.231.230; 4.E.231.231; 4.E.231.236;
4.E.231.237; 4.E.231.238; 4.E.231.239; 4.E.231.154; 4.E.231.157; 4.E.231.166;
4.E.231.169; 4.E.231.172; 4.E.231.175; 4.E.231.240; 4.E.231.244; 4.E.236.228;
10 4.E.236.229; 4.E.236.230; 4.E.236.231; 4.E.236.236; 4.E.236.237; 4.E.236.238;
4.E.236.239; 4.E.236.154; 4.E.236.157; 4.E.236.166; 4.E.236.169; 4.E.236.172;
4.E.236.175; 4.E.236.240; 4.E.236.244; 4.E.237.228; 4.E.237.229; 4.E.237.230;
4.E.237.231; 4.E.237.236; 4.E.237.237; 4.E.237.238; 4.E.237.239; 4.E.237.154;
4.E.237.157; 4.E.237.166; 4.E.237.169; 4.E.237.172; 4.E.237.175; 4.E.237.240;
15 4.E.237.244; 4.E.238.228; 4.E.238.229; 4.E.238.230; 4.E.238.231; 4.E.238.236;
4.E.238.237; 4.E.238.238; 4.E.238.239; 4.E.238.154; 4.E.238.157; 4.E.238.166;
4.E.238.169; 4.E.238.172; 4.E.238.175; 4.E.238.240; 4.E.238.244; 4.E.239.228;
4.E.239.229; 4.E.239.230; 4.E.239.231; 4.E.239.236; 4.E.239.237; 4.E.239.238;
4.E.239.239; 4.E.239.154; 4.E.239.157; 4.E.239.166; 4.E.239.169; 4.E.239.172;
20 4.E.239.175; 4.E.239.240; 4.E.239.244; 4.E.154.228; 4.E.154.229; 4.E.154.230;
4.E.154.231; 4.E.154.236; 4.E.154.237; 4.E.154.238; 4.E.154.239; 4.E.154.154;
4.E.154.157; 4.E.154.166; 4.E.154.169; 4.E.154.172; 4.E.154.175; 4.E.154.240;
4.E.154.244; 4.E.157.228; 4.E.157.229; 4.E.157.230; 4.E.157.231; 4.E.157.236;
4.E.157.237; 4.E.157.238; 4.E.157.239; 4.E.157.154; 4.E.157.157; 4.E.157.166;
25 4.E.157.169; 4.E.157.172; 4.E.157.175; 4.E.157.240; 4.E.157.244; 4.E.166.228;
4.E.166.229; 4.E.166.230; 4.E.166.231; 4.E.166.236; 4.E.166.237; 4.E.166.238;
4.E.166.239; 4.E.166.154; 4.E.166.157; 4.E.166.166; 4.E.166.169; 4.E.166.172;
4.E.166.175; 4.E.166.240; 4.E.166.244; 4.E.169.228; 4.E.169.229; 4.E.169.230;
4.E.169.231; 4.E.169.236; 4.E.169.237; 4.E.169.238; 4.E.169.239; 4.E.169.154;
30 4.E.169.157; 4.E.169.166; 4.E.169.169; 4.E.169.172; 4.E.169.175; 4.E.169.240;
4.E.169.244; 4.E.172.228; 4.E.172.229; 4.E.172.230; 4.E.172.231; 4.E.172.236;

4.E.172.237; 4.E.172.238; 4.E.172.239; 4.E.172.154; 4.E.172.157; 4.E.172.166;
4.E.172.169; 4.E.172.172; 4.E.172.175; 4.E.172.240; 4.E.172.244; 4.E.175.228;
4.E.175.229; 4.E.175.230; 4.E.175.231; 4.E.175.236; 4.E.175.237; 4.E.175.238;
4.E.175.239; 4.E.175.154; 4.E.175.157; 4.E.175.166; 4.E.175.169; 4.E.175.172;
5 4.E.175.175; 4.E.175.240; 4.E.175.244; 4.E.240.228; 4.E.240.229; 4.E.240.230;
4.E.240.231; 4.E.240.236; 4.E.240.237; 4.E.240.238; 4.E.240.239; 4.E.240.154;
4.E.240.157; 4.E.240.166; 4.E.240.169; 4.E.240.172; 4.E.240.175; 4.E.240.240;
4.E.240.244; 4.E.244.228; 4.E.244.229; 4.E.244.230; 4.E.244.231; 4.E.244.236;
4.E.244.237; 4.E.244.238; 4.E.244.239; 4.E.244.154; 4.E.244.157; 4.E.244.166;
10 4.E.244.169; 4.E.244.172; 4.E.244.175; 4.E.244.240; 4.E.244.244;

Prodrugs of 4.G

4.G.228.228; 4.G.228.229; 4.G.228.230; 4.G.228.231; 4.G.228.236;
4.G.228.237; 4.G.228.238; 4.G.228.239; 4.G.228.154; 4.G.228.157;
15 4.G.228.166; 4.G.228.169; 4.G.228.172; 4.G.228.175; 4.G.228.240;
4.G.228.244; 4.G.229.228; 4.G.229.229; 4.G.229.230; 4.G.229.231;
4.G.229.236; 4.G.229.237; 4.G.229.238; 4.G.229.239; 4.G.229.154;
4.G.229.157; 4.G.229.166; 4.G.229.169; 4.G.229.172; 4.G.229.175;
4.G.229.240; 4.G.229.244; 4.G.230.228; 4.G.230.229; 4.G.230.230;
20 4.G.230.231; 4.G.230.236; 4.G.230.237; 4.G.230.238; 4.G.230.239;
4.G.230.154; 4.G.230.157; 4.G.230.166; 4.G.230.169; 4.G.230.172;
4.G.230.175; 4.G.230.240; 4.G.230.244; 4.G.231.228; 4.G.231.229;
4.G.231.230; 4.G.231.231; 4.G.231.236; 4.G.231.237; 4.G.231.238;
4.G.231.239; 4.G.231.154; 4.G.231.157; 4.G.231.166; 4.G.231.169;
25 4.G.231.172; 4.G.231.175; 4.G.231.240; 4.G.231.244; 4.G.236.228;
4.G.236.229; 4.G.236.230; 4.G.236.231; 4.G.236.236; 4.G.236.237;
4.G.236.238; 4.G.236.239; 4.G.236.154; 4.G.236.157; 4.G.236.166;
4.G.236.169; 4.G.236.172; 4.G.236.175; 4.G.236.240; 4.G.236.244;
4.G.237.228; 4.G.237.229; 4.G.237.230; 4.G.237.231; 4.G.237.236;
30 4.G.237.237; 4.G.237.238; 4.G.237.239; 4.G.237.154; 4.G.237.157;
4.G.237.166; 4.G.237.169; 4.G.237.172; 4.G.237.175; 4.G.237.240;

4.G.237.244; 4.G.238.228; 4.G.238.229; 4.G.238.230; 4.G.238.231;
4.G.238.236; 4.G.238.237; 4.G.238.238; 4.G.238.239; 4.G.238.154;
4.G.238.157; 4.G.238.166; 4.G.238.169; 4.G.238.172; 4.G.238.175;
4.G.238.240; 4.G.238.244; 4.G.239.228; 4.G.239.229; 4.G.239.230;
5 4.G.239.231; 4.G.239.236; 4.G.239.237; 4.G.239.238; 4.G.239.239;
4.G.239.154; 4.G.239.157; 4.G.239.166; 4.G.239.169; 4.G.239.172;
4.G.239.175; 4.G.239.240; 4.G.239.244; 4.G.154.228; 4.G.154.229;
4.G.154.230; 4.G.154.231; 4.G.154.236; 4.G.154.237; 4.G.154.238;
4.G.154.239; 4.G.154.154; 4.G.154.157; 4.G.154.166; 4.G.154.169;
10 4.G.154.172; 4.G.154.175; 4.G.154.240; 4.G.154.244; 4.G.157.228;
4.G.157.229; 4.G.157.230; 4.G.157.231; 4.G.157.236; 4.G.157.237;
4.G.157.238; 4.G.157.239; 4.G.157.154; 4.G.157.157; 4.G.157.166;
4.G.157.169; 4.G.157.172; 4.G.157.175; 4.G.157.240; 4.G.157.244;
4.G.166.228; 4.G.166.229; 4.G.166.230; 4.G.166.231; 4.G.166.236;
15 4.G.166.237; 4.G.166.238; 4.G.166.239; 4.G.166.154; 4.G.166.157;
4.G.166.166; 4.G.166.169; 4.G.166.172; 4.G.166.175; 4.G.166.240;
4.G.166.244; 4.G.169.228; 4.G.169.229; 4.G.169.230; 4.G.169.231;
4.G.169.236; 4.G.169.237; 4.G.169.238; 4.G.169.239; 4.G.169.154;
4.G.169.157; 4.G.169.166; 4.G.169.169; 4.G.169.172; 4.G.169.175;
20 4.G.169.240; 4.G.169.244; 4.G.172.228; 4.G.172.229; 4.G.172.230;
4.G.172.231; 4.G.172.236; 4.G.172.237; 4.G.172.238; 4.G.172.239;
4.G.172.154; 4.G.172.157; 4.G.172.166; 4.G.172.169; 4.G.172.172;
4.G.172.175; 4.G.172.240; 4.G.172.244; 4.G.175.228; 4.G.175.229;
4.G.175.230; 4.G.175.231; 4.G.175.236; 4.G.175.237; 4.G.175.238;
25 4.G.175.239; 4.G.175.154; 4.G.175.157; 4.G.175.166; 4.G.175.169;
4.G.175.172; 4.G.175.175; 4.G.175.240; 4.G.175.244; 4.G.240.228;
4.G.240.229; 4.G.240.230; 4.G.240.231; 4.G.240.236; 4.G.240.237;
4.G.240.238; 4.G.240.239; 4.G.240.154; 4.G.240.157; 4.G.240.166;
4.G.240.169; 4.G.240.172; 4.G.240.175; 4.G.240.240; 4.G.240.244;
30 4.G.244.228; 4.G.244.229; 4.G.244.230; 4.G.244.231; 4.G.244.236;
4.G.244.237; 4.G.244.238; 4.G.244.239; 4.G.244.154; 4.G.244.157;

4.G.244.166; 4.G.244.169; 4.G.244.172; 4.G.244.175; 4.G.244.240;
4.G.244.244;

Prodrugs of 4.I

- 5 4.I.228.228; 4.I.228.229; 4.I.228.230; 4.I.228.231; 4.I.228.236; 4.I.228.237;
4.I.228.238; 4.I.228.239; 4.I.228.154; 4.I.228.157; 4.I.228.166; 4.I.228.169;
4.I.228.172; 4.I.228.175; 4.I.228.240; 4.I.228.244; 4.I.229.228; 4.I.229.229;
4.I.229.230; 4.I.229.231; 4.I.229.236; 4.I.229.237; 4.I.229.238; 4.I.229.239;
4.I.229.154; 4.I.229.157; 4.I.229.166; 4.I.229.169; 4.I.229.172; 4.I.229.175;
10 4.I.229.240; 4.I.229.244; 4.I.230.228; 4.I.230.229; 4.I.230.230; 4.I.230.231;
4.I.230.236; 4.I.230.237; 4.I.230.238; 4.I.230.239; 4.I.230.154; 4.I.230.157;
4.I.230.166; 4.I.230.169; 4.I.230.172; 4.I.230.175; 4.I.230.240; 4.I.230.244;
4.I.231.228; 4.I.231.229; 4.I.231.230; 4.I.231.231; 4.I.231.236; 4.I.231.237;
4.I.231.238; 4.I.231.239; 4.I.231.154; 4.I.231.157; 4.I.231.166; 4.I.231.169;
15 4.I.231.172; 4.I.231.175; 4.I.231.240; 4.I.231.244; 4.I.236.228; 4.I.236.229;
4.I.236.230; 4.I.236.231; 4.I.236.236; 4.I.236.237; 4.I.236.238; 4.I.236.239;
4.I.236.154; 4.I.236.157; 4.I.236.166; 4.I.236.169; 4.I.236.172; 4.I.236.175;
4.I.236.240; 4.I.236.244; 4.I.237.228; 4.I.237.229; 4.I.237.230; 4.I.237.231;
4.I.237.236; 4.I.237.237; 4.I.237.238; 4.I.237.239; 4.I.237.154; 4.I.237.157;
20 4.I.237.166; 4.I.237.169; 4.I.237.172; 4.I.237.175; 4.I.237.240; 4.I.237.244;
4.I.238.228; 4.I.238.229; 4.I.238.230; 4.I.238.231; 4.I.238.236; 4.I.238.237;
4.I.238.238; 4.I.238.239; 4.I.238.154; 4.I.238.157; 4.I.238.166; 4.I.238.169;
4.I.238.172; 4.I.238.175; 4.I.238.240; 4.I.238.244; 4.I.239.228; 4.I.239.229;
4.I.239.230; 4.I.239.231; 4.I.239.236; 4.I.239.237; 4.I.239.238; 4.I.239.239;
25 4.I.239.154; 4.I.239.157; 4.I.239.166; 4.I.239.169; 4.I.239.172; 4.I.239.175;
4.I.239.240; 4.I.239.244; 4.I.154.228; 4.I.154.229; 4.I.154.230; 4.I.154.231;
4.I.154.236; 4.I.154.237; 4.I.154.238; 4.I.154.239; 4.I.154.154; 4.I.154.157;
4.I.154.166; 4.I.154.169; 4.I.154.172; 4.I.154.175; 4.I.154.240; 4.I.154.244;
4.I.157.228; 4.I.157.229; 4.I.157.230; 4.I.157.231; 4.I.157.236; 4.I.157.237;
30 4.I.157.238; 4.I.157.239; 4.I.157.154; 4.I.157.157; 4.I.157.166; 4.I.157.169;
4.I.157.172; 4.I.157.175; 4.I.157.240; 4.I.157.244; 4.I.166.228; 4.I.166.229;

4.I.166.230; 4.I.166.231; 4.I.166.236; 4.I.166.237; 4.I.166.238; 4.I.166.239;
4.I.166.154; 4.I.166.157; 4.I.166.166; 4.I.166.169; 4.I.166.172; 4.I.166.175;
4.I.166.240; 4.I.166.244; 4.I.169.228; 4.I.169.229; 4.I.169.230; 4.I.169.231;
4.I.169.236; 4.I.169.237; 4.I.169.238; 4.I.169.239; 4.I.169.154; 4.I.169.157;
5 4.I.169.166; 4.I.169.169; 4.I.169.172; 4.I.169.175; 4.I.169.240; 4.I.169.244;
4.I.172.228; 4.I.172.229; 4.I.172.230; 4.I.172.231; 4.I.172.236; 4.I.172.237;
4.I.172.238; 4.I.172.239; 4.I.172.154; 4.I.172.157; 4.I.172.166; 4.I.172.169;
4.I.172.172; 4.I.172.175; 4.I.172.240; 4.I.172.244; 4.I.175.228; 4.I.175.229;
4.I.175.230; 4.I.175.231; 4.I.175.236; 4.I.175.237; 4.I.175.238; 4.I.175.239;
10 4.I.175.154; 4.I.175.157; 4.I.175.166; 4.I.175.169; 4.I.175.172; 4.I.175.175;
4.I.175.240; 4.I.175.244; 4.I.240.228; 4.I.240.229; 4.I.240.230; 4.I.240.231;
4.I.240.236; 4.I.240.237; 4.I.240.238; 4.I.240.239; 4.I.240.154; 4.I.240.157;
4.I.240.166; 4.I.240.169; 4.I.240.172; 4.I.240.175; 4.I.240.240; 4.I.240.244;
4.I.244.228; 4.I.244.229; 4.I.244.230; 4.I.244.231; 4.I.244.236; 4.I.244.237;
15 4.I.244.238; 4.I.244.239; 4.I.244.154; 4.I.244.157; 4.I.244.166; 4.I.244.169;
4.I.244.172; 4.I.244.175; 4.I.244.240; 4.I.244.244;

Prodrugs of 4.I

4.J.228.228; 4.J.228.229; 4.J.228.230; 4.J.228.231; 4.J.228.236; 4.J.228.237;
20 4.J.228.238; 4.J.228.239; 4.J.228.154; 4.J.228.157; 4.J.228.166; 4.J.228.169;
4.J.228.172; 4.J.228.175; 4.J.228.240; 4.J.228.244; 4.J.229.228; 4.J.229.229;
4.J.229.230; 4.J.229.231; 4.J.229.236; 4.J.229.237; 4.J.229.238; 4.J.229.239;
4.J.229.154; 4.J.229.157; 4.J.229.166; 4.J.229.169; 4.J.229.172; 4.J.229.175;
4.J.229.240; 4.J.229.244; 4.J.230.228; 4.J.230.229; 4.J.230.230; 4.J.230.231;
25 4.J.230.236; 4.J.230.237; 4.J.230.238; 4.J.230.239; 4.J.230.154; 4.J.230.157;
4.J.230.166; 4.J.230.169; 4.J.230.172; 4.J.230.175; 4.J.230.240; 4.J.230.244;
4.J.231.228; 4.J.231.229; 4.J.231.230; 4.J.231.231; 4.J.231.236; 4.J.231.237;
4.J.231.238; 4.J.231.239; 4.J.231.154; 4.J.231.157; 4.J.231.166; 4.J.231.169;
4.J.231.172; 4.J.231.175; 4.J.231.240; 4.J.231.244; 4.J.236.228; 4.J.236.229;
30 4.J.236.230; 4.J.236.231; 4.J.236.236; 4.J.236.237; 4.J.236.238; 4.J.236.239;
4.J.236.154; 4.J.236.157; 4.J.236.166; 4.J.236.169; 4.J.236.172; 4.J.236.175;

4.J.236.240; 4.J.236.244; 4.J.237.228; 4.J.237.229; 4.J.237.230; 4.J.237.231;
4.J.237.236; 4.J.237.237; 4.J.237.238; 4.J.237.239; 4.J.237.154; 4.J.237.157;
4.J.237.166; 4.J.237.169; 4.J.237.172; 4.J.237.175; 4.J.237.240; 4.J.237.244;
4.J.238.228; 4.J.238.229; 4.J.238.230; 4.J.238.231; 4.J.238.236; 4.J.238.237;
5 4.J.238.238; 4.J.238.239; 4.J.238.154; 4.J.238.157; 4.J.238.166; 4.J.238.169;
4.J.238.172; 4.J.238.175; 4.J.238.240; 4.J.238.244; 4.J.239.228; 4.J.239.229;
4.J.239.230; 4.J.239.231; 4.J.239.236; 4.J.239.237; 4.J.239.238; 4.J.239.239;
4.J.239.154; 4.J.239.157; 4.J.239.166; 4.J.239.169; 4.J.239.172; 4.J.239.175;
4.J.239.240; 4.J.239.244; 4.J.154.228; 4.J.154.229; 4.J.154.230; 4.J.154.231;
10 4.J.154.236; 4.J.154.237; 4.J.154.238; 4.J.154.239; 4.J.154.154; 4.J.154.157;
4.J.154.166; 4.J.154.169; 4.J.154.172; 4.J.154.175; 4.J.154.240; 4.J.154.244;
4.J.157.228; 4.J.157.229; 4.J.157.230; 4.J.157.231; 4.J.157.236; 4.J.157.237;
4.J.157.238; 4.J.157.239; 4.J.157.154; 4.J.157.157; 4.J.157.166; 4.J.157.169;
4.J.157.172; 4.J.157.175; 4.J.157.240; 4.J.157.244; 4.J.166.228; 4.J.166.229;
15 4.J.166.230; 4.J.166.231; 4.J.166.236; 4.J.166.237; 4.J.166.238; 4.J.166.239;
4.J.166.154; 4.J.166.157; 4.J.166.166; 4.J.166.169; 4.J.166.172; 4.J.166.175;
4.J.166.240; 4.J.166.244; 4.J.169.228; 4.J.169.229; 4.J.169.230; 4.J.169.231;
4.J.169.236; 4.J.169.237; 4.J.169.238; 4.J.169.239; 4.J.169.154; 4.J.169.157;
4.J.169.166; 4.J.169.169; 4.J.169.172; 4.J.169.175; 4.J.169.240; 4.J.169.244;
20 4.J.172.228; 4.J.172.229; 4.J.172.230; 4.J.172.231; 4.J.172.236; 4.J.172.237;
4.J.172.238; 4.J.172.239; 4.J.172.154; 4.J.172.157; 4.J.172.166; 4.J.172.169;
4.J.172.172; 4.J.172.175; 4.J.172.240; 4.J.172.244; 4.J.175.228; 4.J.175.229;
4.J.175.230; 4.J.175.231; 4.J.175.236; 4.J.175.237; 4.J.175.238; 4.J.175.239;
4.J.175.154; 4.J.175.157; 4.J.175.166; 4.J.175.169; 4.J.175.172; 4.J.175.175;
25 4.J.175.240; 4.J.175.244; 4.J.240.228; 4.J.240.229; 4.J.240.230; 4.J.240.231;
4.J.240.236; 4.J.240.237; 4.J.240.238; 4.J.240.239; 4.J.240.154; 4.J.240.157;
4.J.240.166; 4.J.240.169; 4.J.240.172; 4.J.240.175; 4.J.240.240; 4.J.240.244;
4.J.244.228; 4.J.244.229; 4.J.244.230; 4.J.244.231; 4.J.244.236; 4.J.244.237;
4.J.244.238; 4.J.244.239; 4.J.244.154; 4.J.244.157; 4.J.244.166; 4.J.244.169;
30 4.J.244.172; 4.J.244.175; 4.J.244.240; 4.J.244.244;

Prodrugs of 4.L

- 4.L.228.228; 4.L.228.229; 4.L.228.230; 4.L.228.231; 4.L.228.236;
4.L.228.237; 4.L.228.238; 4.L.228.239; 4.L.228.154; 4.L.228.157; 4.L.228.166;
4.L.228.169; 4.L.228.172; 4.L.228.175; 4.L.228.240; 4.L.228.244; 4.L.229.228;
5 4.L.229.229; 4.L.229.230; 4.L.229.231; 4.L.229.236; 4.L.229.237; 4.L.229.238;
4.L.229.239; 4.L.229.154; 4.L.229.157; 4.L.229.166; 4.L.229.169; 4.L.229.172;
4.L.229.175; 4.L.229.240; 4.L.229.244; 4.L.230.228; 4.L.230.229; 4.L.230.230;
4.L.230.231; 4.L.230.236; 4.L.230.237; 4.L.230.238; 4.L.230.239; 4.L.230.154;
4.L.230.157; 4.L.230.166; 4.L.230.169; 4.L.230.172; 4.L.230.175; 4.L.230.240;
10 4.L.230.244; 4.L.231.228; 4.L.231.229; 4.L.231.230; 4.L.231.231; 4.L.231.236;
4.L.231.237; 4.L.231.238; 4.L.231.239; 4.L.231.154; 4.L.231.157; 4.L.231.166;
4.L.231.169; 4.L.231.172; 4.L.231.175; 4.L.231.240; 4.L.231.244; 4.L.236.228;
4.L.236.229; 4.L.236.230; 4.L.236.231; 4.L.236.236; 4.L.236.237; 4.L.236.238;
4.L.236.239; 4.L.236.154; 4.L.236.157; 4.L.236.166; 4.L.236.169; 4.L.236.172;
15 4.L.236.175; 4.L.236.240; 4.L.236.244; 4.L.237.228; 4.L.237.229; 4.L.237.230;
4.L.237.231; 4.L.237.236; 4.L.237.237; 4.L.237.238; 4.L.237.239; 4.L.237.154;
4.L.237.157; 4.L.237.166; 4.L.237.169; 4.L.237.172; 4.L.237.175; 4.L.237.240;
4.L.237.244; 4.L.238.228; 4.L.238.229; 4.L.238.230; 4.L.238.231; 4.L.238.236;
4.L.238.237; 4.L.238.238; 4.L.238.239; 4.L.238.154; 4.L.238.157; 4.L.238.166;
20 4.L.238.169; 4.L.238.172; 4.L.238.175; 4.L.238.240; 4.L.238.244; 4.L.239.228;
4.L.239.229; 4.L.239.230; 4.L.239.231; 4.L.239.236; 4.L.239.237; 4.L.239.238;
4.L.239.239; 4.L.239.154; 4.L.239.157; 4.L.239.166; 4.L.239.169; 4.L.239.172;
4.L.239.175; 4.L.239.240; 4.L.239.244; 4.L.154.228; 4.L.154.229; 4.L.154.230;
4.L.154.231; 4.L.154.236; 4.L.154.237; 4.L.154.238; 4.L.154.239; 4.L.154.154;
25 4.L.154.157; 4.L.154.166; 4.L.154.169; 4.L.154.172; 4.L.154.175; 4.L.154.240;
4.L.154.244; 4.L.157.228; 4.L.157.229; 4.L.157.230; 4.L.157.231; 4.L.157.236;
4.L.157.237; 4.L.157.238; 4.L.157.239; 4.L.157.154; 4.L.157.157; 4.L.157.166;
4.L.157.169; 4.L.157.172; 4.L.157.175; 4.L.157.240; 4.L.157.244; 4.L.166.228;
4.L.166.229; 4.L.166.230; 4.L.166.231; 4.L.166.236; 4.L.166.237; 4.L.166.238;
30 4.L.166.239; 4.L.166.154; 4.L.166.157; 4.L.166.166; 4.L.166.169; 4.L.166.172;
4.L.166.175; 4.L.166.240; 4.L.166.244; 4.L.169.228; 4.L.169.229; 4.L.169.230;

4.L.169.231; 4.L.169.236; 4.L.169.237; 4.L.169.238; 4.L.169.239; 4.L.169.154;
4.L.169.157; 4.L.169.166; 4.L.169.169; 4.L.169.172; 4.L.169.175; 4.L.169.240;
4.L.169.244; 4.L.172.228; 4.L.172.229; 4.L.172.230; 4.L.172.231; 4.L.172.236;
4.L.172.237; 4.L.172.238; 4.L.172.239; 4.L.172.154; 4.L.172.157; 4.L.172.166;
5 4.L.172.169; 4.L.172.172; 4.L.172.175; 4.L.172.240; 4.L.172.244; 4.L.175.228;
4.L.175.229; 4.L.175.230; 4.L.175.231; 4.L.175.236; 4.L.175.237; 4.L.175.238;
4.L.175.239; 4.L.175.154; 4.L.175.157; 4.L.175.166; 4.L.175.169; 4.L.175.172;
4.L.175.175; 4.L.175.240; 4.L.175.244; 4.L.240.228; 4.L.240.229; 4.L.240.230;
4.L.240.231; 4.L.240.236; 4.L.240.237; 4.L.240.238; 4.L.240.239; 4.L.240.154;
10 4.L.240.157; 4.L.240.166; 4.L.240.169; 4.L.240.172; 4.L.240.175; 4.L.240.240;
4.L.240.244; 4.L.244.228; 4.L.244.229; 4.L.244.230; 4.L.244.231; 4.L.244.236;
4.L.244.237; 4.L.244.238; 4.L.244.239; 4.L.244.154; 4.L.244.157; 4.L.244.166;
4.L.244.169; 4.L.244.172; 4.L.244.175; 4.L.244.240; 4.L.244.244;

15 Prodrugs of 4.O

4.O.228.228; 4.O.228.229; 4.O.228.230; 4.O.228.231; 4.O.228.236;
4.O.228.237; 4.O.228.238; 4.O.228.239; 4.O.228.154; 4.O.228.157;
4.O.228.166; 4.O.228.169; 4.O.228.172; 4.O.228.175; 4.O.228.240;
4.O.228.244; 4.O.229.228; 4.O.229.229; 4.O.229.230; 4.O.229.231;
20 4.O.229.236; 4.O.229.237; 4.O.229.238; 4.O.229.239; 4.O.229.154;
4.O.229.157; 4.O.229.166; 4.O.229.169; 4.O.229.172; 4.O.229.175;
4.O.229.240; 4.O.229.244; 4.O.230.228; 4.O.230.229; 4.O.230.230;
4.O.230.231; 4.O.230.236; 4.O.230.237; 4.O.230.238; 4.O.230.239;
4.O.230.154; 4.O.230.157; 4.O.230.166; 4.O.230.169; 4.O.230.172;
25 4.O.230.175; 4.O.230.240; 4.O.230.244; 4.O.231.228; 4.O.231.229;
4.O.231.230; 4.O.231.231; 4.O.231.236; 4.O.231.237; 4.O.231.238;
4.O.231.239; 4.O.231.154; 4.O.231.157; 4.O.231.166; 4.O.231.169;
4.O.231.172; 4.O.231.175; 4.O.231.240; 4.O.231.244; 4.O.236.228;
4.O.236.229; 4.O.236.230; 4.O.236.231; 4.O.236.236; 4.O.236.237;
30 4.O.236.238; 4.O.236.239; 4.O.236.154; 4.O.236.157; 4.O.236.166;
4.O.236.169; 4.O.236.172; 4.O.236.175; 4.O.236.240; 4.O.236.244;

4.O.237.228; 4.O.237.229; 4.O.237.230; 4.O.237.231; 4.O.237.236;
4.O.237.237; 4.O.237.238; 4.O.237.239; 4.O.237.154; 4.O.237.157;
4.O.237.166; 4.O.237.169; 4.O.237.172; 4.O.237.175; 4.O.237.240;
4.O.237.244; 4.O.238.228; 4.O.238.229; 4.O.238.230; 4.O.238.231;
5 4.O.238.236; 4.O.238.237; 4.O.238.238; 4.O.238.239; 4.O.238.154;
4.O.238.157; 4.O.238.166; 4.O.238.169; 4.O.238.172; 4.O.238.175;
4.O.238.240; 4.O.238.244; 4.O.239.228; 4.O.239.229; 4.O.239.230;
4.O.239.231; 4.O.239.236; 4.O.239.237; 4.O.239.238; 4.O.239.239;
4.O.239.154; 4.O.239.157; 4.O.239.166; 4.O.239.169; 4.O.239.172;
10 4.O.239.175; 4.O.239.240; 4.O.239.244; 4.O.154.228; 4.O.154.229;
4.O.154.230; 4.O.154.231; 4.O.154.236; 4.O.154.237; 4.O.154.238;
4.O.154.239; 4.O.154.154; 4.O.154.157; 4.O.154.166; 4.O.154.169;
4.O.154.172; 4.O.154.175; 4.O.154.240; 4.O.154.244; 4.O.157.228;
4.O.157.229; 4.O.157.230; 4.O.157.231; 4.O.157.236; 4.O.157.237;
15 4.O.157.238; 4.O.157.239; 4.O.157.154; 4.O.157.157; 4.O.157.166;
4.O.157.169; 4.O.157.172; 4.O.157.175; 4.O.157.240; 4.O.157.244;
4.O.166.228; 4.O.166.229; 4.O.166.230; 4.O.166.231; 4.O.166.236;
4.O.166.237; 4.O.166.238; 4.O.166.239; 4.O.166.154; 4.O.166.157;
4.O.166.166; 4.O.166.169; 4.O.166.172; 4.O.166.175; 4.O.166.240;
20 4.O.166.244; 4.O.169.228; 4.O.169.229; 4.O.169.230; 4.O.169.231;
4.O.169.236; 4.O.169.237; 4.O.169.238; 4.O.169.239; 4.O.169.154;
4.O.169.157; 4.O.169.166; 4.O.169.169; 4.O.169.172; 4.O.169.175;
4.O.169.240; 4.O.169.244; 4.O.172.228; 4.O.172.229; 4.O.172.230;
4.O.172.231; 4.O.172.236; 4.O.172.237; 4.O.172.238; 4.O.172.239;
25 4.O.172.154; 4.O.172.157; 4.O.172.166; 4.O.172.169; 4.O.172.172;
4.O.172.175; 4.O.172.240; 4.O.172.244; 4.O.175.228; 4.O.175.229;
4.O.175.230; 4.O.175.231; 4.O.175.236; 4.O.175.237; 4.O.175.238;
4.O.175.239; 4.O.175.154; 4.O.175.157; 4.O.175.166; 4.O.175.169;
4.O.175.172; 4.O.175.175; 4.O.175.240; 4.O.175.244; 4.O.240.228;
30 4.O.240.229; 4.O.240.230; 4.O.240.231; 4.O.240.236; 4.O.240.237;
4.O.240.238; 4.O.240.239; 4.O.240.154; 4.O.240.157; 4.O.240.166;

4.O.240.169; 4.O.240.172; 4.O.240.175; 4.O.240.240; 4.O.240.244;
4.O.244.228; 4.O.244.229; 4.O.244.230; 4.O.244.231; 4.O.244.236;
4.O.244.237; 4.O.244.238; 4.O.244.239; 4.O.244.154; 4.O.244.157;
4.O.244.166; 4.O.244.169; 4.O.244.172; 4.O.244.175; 4.O.244.240;
5 4.O.244.244;

Prodrugs of 4.P

4.P.228.228; 4.P.228.229; 4.P.228.230; 4.P.228.231; 4.P.228.236;
4.P.228.237; 4.P.228.238; 4.P.228.239; 4.P.228.154; 4.P.228.157; 4.P.228.166;
10 4.P.228.169; 4.P.228.172; 4.P.228.175; 4.P.228.240; 4.P.228.244; 4.P.229.228;
4.P.229.229; 4.P.229.230; 4.P.229.231; 4.P.229.236; 4.P.229.237; 4.P.229.238;
4.P.229.239; 4.P.229.154; 4.P.229.157; 4.P.229.166; 4.P.229.169; 4.P.229.172;
4.P.229.175; 4.P.229.240; 4.P.229.244; 4.P.230.228; 4.P.230.229; 4.P.230.230;
4.P.230.231; 4.P.230.236; 4.P.230.237; 4.P.230.238; 4.P.230.239; 4.P.230.154;
15 4.P.230.157; 4.P.230.166; 4.P.230.169; 4.P.230.172; 4.P.230.175; 4.P.230.240;
4.P.230.244; 4.P.231.228; 4.P.231.229; 4.P.231.230; 4.P.231.231; 4.P.231.236;
4.P.231.237; 4.P.231.238; 4.P.231.239; 4.P.231.154; 4.P.231.157; 4.P.231.166;
4.P.231.169; 4.P.231.172; 4.P.231.175; 4.P.231.240; 4.P.231.244; 4.P.236.228;
4.P.236.229; 4.P.236.230; 4.P.236.231; 4.P.236.236; 4.P.236.237; 4.P.236.238;
20 4.P.236.239; 4.P.236.154; 4.P.236.157; 4.P.236.166; 4.P.236.169; 4.P.236.172;
4.P.236.175; 4.P.236.240; 4.P.236.244; 4.P.237.228; 4.P.237.229; 4.P.237.230;
4.P.237.231; 4.P.237.236; 4.P.237.237; 4.P.237.238; 4.P.237.239; 4.P.237.154;
4.P.237.157; 4.P.237.166; 4.P.237.169; 4.P.237.172; 4.P.237.175; 4.P.237.240;
4.P.237.244; 4.P.238.228; 4.P.238.229; 4.P.238.230; 4.P.238.231; 4.P.238.236;
25 4.P.238.237; 4.P.238.238; 4.P.238.239; 4.P.238.154; 4.P.238.157; 4.P.238.166;
4.P.238.169; 4.P.238.172; 4.P.238.175; 4.P.238.240; 4.P.238.244; 4.P.239.228;
4.P.239.229; 4.P.239.230; 4.P.239.231; 4.P.239.236; 4.P.239.237; 4.P.239.238;
4.P.239.239; 4.P.239.154; 4.P.239.157; 4.P.239.166; 4.P.239.169; 4.P.239.172;
4.P.239.175; 4.P.239.240; 4.P.239.244; 4.P.154.228; 4.P.154.229; 4.P.154.230;
30 4.P.154.231; 4.P.154.236; 4.P.154.237; 4.P.154.238; 4.P.154.239; 4.P.154.154;
4.P.154.157; 4.P.154.166; 4.P.154.169; 4.P.154.172; 4.P.154.175; 4.P.154.240;

4.P.154.244; 4.P.157.228; 4.P.157.229; 4.P.157.230; 4.P.157.231; 4.P.157.236;
4.P.157.237; 4.P.157.238; 4.P.157.239; 4.P.157.154; 4.P.157.157; 4.P.157.166;
4.P.157.169; 4.P.157.172; 4.P.157.175; 4.P.157.240; 4.P.157.244; 4.P.166.228;
4.P.166.229; 4.P.166.230; 4.P.166.231; 4.P.166.236; 4.P.166.237; 4.P.166.238;
5 4.P.166.239; 4.P.166.154; 4.P.166.157; 4.P.166.166; 4.P.166.169; 4.P.166.172;
4.P.166.175; 4.P.166.240; 4.P.166.244; 4.P.169.228; 4.P.169.229; 4.P.169.230;
4.P.169.231; 4.P.169.236; 4.P.169.237; 4.P.169.238; 4.P.169.239; 4.P.169.154;
4.P.169.157; 4.P.169.166; 4.P.169.169; 4.P.169.172; 4.P.169.175; 4.P.169.240;
4.P.169.244; 4.P.172.228; 4.P.172.229; 4.P.172.230; 4.P.172.231; 4.P.172.236;
10 4.P.172.237; 4.P.172.238; 4.P.172.239; 4.P.172.154; 4.P.172.157; 4.P.172.166;
4.P.172.169; 4.P.172.172; 4.P.172.175; 4.P.172.240; 4.P.172.244; 4.P.175.228;
4.P.175.229; 4.P.175.230; 4.P.175.231; 4.P.175.236; 4.P.175.237; 4.P.175.238;
4.P.175.239; 4.P.175.154; 4.P.175.157; 4.P.175.166; 4.P.175.169; 4.P.175.172;
4.P.175.175; 4.P.175.240; 4.P.175.244; 4.P.240.228; 4.P.240.229; 4.P.240.230;
15 4.P.240.231; 4.P.240.236; 4.P.240.237; 4.P.240.238; 4.P.240.239; 4.P.240.154;
4.P.240.157; 4.P.240.166; 4.P.240.169; 4.P.240.172; 4.P.240.175; 4.P.240.240;
4.P.240.244; 4.P.244.228; 4.P.244.229; 4.P.244.230; 4.P.244.231; 4.P.244.236;
4.P.244.237; 4.P.244.238; 4.P.244.239; 4.P.244.154; 4.P.244.157; 4.P.244.166;
4.P.244.169; 4.P.244.172; 4.P.244.175; 4.P.244.240; 4.P.244.244;

20

Prodrugs of 4.U

4.U.228.228; 4.U.228.229; 4.U.228.230; 4.U.228.231; 4.U.228.236;
4.U.228.237; 4.U.228.238; 4.U.228.239; 4.U.228.154; 4.U.228.157;
4.U.228.166; 4.U.228.169; 4.U.228.172; 4.U.228.175; 4.U.228.240;
25 4.U.228.244; 4.U.229.228; 4.U.229.229; 4.U.229.230; 4.U.229.231;
4.U.229.236; 4.U.229.237; 4.U.229.238; 4.U.229.239; 4.U.229.154;
4.U.229.157; 4.U.229.166; 4.U.229.169; 4.U.229.172; 4.U.229.175;
4.U.229.240; 4.U.229.244; 4.U.230.228; 4.U.230.229; 4.U.230.230;
4.U.230.231; 4.U.230.236; 4.U.230.237; 4.U.230.238; 4.U.230.239;
30 4.U.230.154; 4.U.230.157; 4.U.230.166; 4.U.230.169; 4.U.230.172;
4.U.230.175; 4.U.230.240; 4.U.230.244; 4.U.231.228; 4.U.231.229;

4.U.231.230; 4.U.231.231; 4.U.231.236; 4.U.231.237; 4.U.231.238;
4.U.231.239; 4.U.231.154; 4.U.231.157; 4.U.231.166; 4.U.231.169;
4.U.231.172; 4.U.231.175; 4.U.231.240; 4.U.231.244; 4.U.236.228;
4.U.236.229; 4.U.236.230; 4.U.236.231; 4.U.236.236; 4.U.236.237;
5 4.U.236.238; 4.U.236.239; 4.U.236.154; 4.U.236.157; 4.U.236.166;
4.U.236.169; 4.U.236.172; 4.U.236.175; 4.U.236.240; 4.U.236.244;
4.U.237.228; 4.U.237.229; 4.U.237.230; 4.U.237.231; 4.U.237.236;
4.U.237.237; 4.U.237.238; 4.U.237.239; 4.U.237.154; 4.U.237.157;
4.U.237.166; 4.U.237.169; 4.U.237.172; 4.U.237.175; 4.U.237.240;
10 4.U.237.244; 4.U.238.228; 4.U.238.229; 4.U.238.230; 4.U.238.231;
4.U.238.236; 4.U.238.237; 4.U.238.238; 4.U.238.239; 4.U.238.154;
4.U.238.157; 4.U.238.166; 4.U.238.169; 4.U.238.172; 4.U.238.175;
4.U.238.240; 4.U.238.244; 4.U.239.228; 4.U.239.229; 4.U.239.230;
4.U.239.231; 4.U.239.236; 4.U.239.237; 4.U.239.238; 4.U.239.239;
15 4.U.239.154; 4.U.239.157; 4.U.239.166; 4.U.239.169; 4.U.239.172;
4.U.239.175; 4.U.239.240; 4.U.239.244; 4.U.154.228; 4.U.154.229;
4.U.154.230; 4.U.154.231; 4.U.154.236; 4.U.154.237; 4.U.154.238;
4.U.154.239; 4.U.154.154; 4.U.154.157; 4.U.154.166; 4.U.154.169;
4.U.154.172; 4.U.154.175; 4.U.154.240; 4.U.154.244; 4.U.157.228;
20 4.U.157.229; 4.U.157.230; 4.U.157.231; 4.U.157.236; 4.U.157.237;
4.U.157.238; 4.U.157.239; 4.U.157.154; 4.U.157.157; 4.U.157.166;
4.U.157.169; 4.U.157.172; 4.U.157.175; 4.U.157.240; 4.U.157.244;
4.U.166.228; 4.U.166.229; 4.U.166.230; 4.U.166.231; 4.U.166.236;
4.U.166.237; 4.U.166.238; 4.U.166.239; 4.U.166.154; 4.U.166.157;
25 4.U.166.166; 4.U.166.169; 4.U.166.172; 4.U.166.175; 4.U.166.240;
4.U.166.244; 4.U.169.228; 4.U.169.229; 4.U.169.230; 4.U.169.231;
4.U.169.236; 4.U.169.237; 4.U.169.238; 4.U.169.239; 4.U.169.154;
4.U.169.157; 4.U.169.166; 4.U.169.169; 4.U.169.172; 4.U.169.175;
4.U.169.240; 4.U.169.244; 4.U.172.228; 4.U.172.229; 4.U.172.230;
30 4.U.172.231; 4.U.172.236; 4.U.172.237; 4.U.172.238; 4.U.172.239;
4.U.172.154; 4.U.172.157; 4.U.172.166; 4.U.172.169; 4.U.172.172;

4.U.172.175; 4.U.172.240; 4.U.172.244; 4.U.175.228; 4.U.175.229;
4.U.175.230; 4.U.175.231; 4.U.175.236; 4.U.175.237; 4.U.175.238;
4.U.175.239; 4.U.175.154; 4.U.175.157; 4.U.175.166; 4.U.175.169;
4.U.175.172; 4.U.175.175; 4.U.175.240; 4.U.175.244; 4.U.240.228;
5 4.U.240.229; 4.U.240.230; 4.U.240.231; 4.U.240.236; 4.U.240.237;
4.U.240.238; 4.U.240.239; 4.U.240.154; 4.U.240.157; 4.U.240.166;
4.U.240.169; 4.U.240.172; 4.U.240.175; 4.U.240.240; 4.U.240.244;
4.U.244.228; 4.U.244.229; 4.U.244.230; 4.U.244.231; 4.U.244.236;
4.U.244.237; 4.U.244.238; 4.U.244.239; 4.U.244.154; 4.U.244.157;
10 4.U.244.166; 4.U.244.169; 4.U.244.172; 4.U.244.175; 4.U.244.240;
4.U.244.244;

Prodrugs of 4.W

4.W.228.228; 4.W.228.229; 4.W.228.230; 4.W.228.231; 4.W.228.236;
15 4.W.228.237; 4.W.228.238; 4.W.228.239; 4.W.228.154; 4.W.228.157;
4.W.228.166; 4.W.228.169; 4.W.228.172; 4.W.228.175; 4.W.228.240;
4.W.228.244; 4.W.229.228; 4.W.229.229; 4.W.229.230; 4.W.229.231;
4.W.229.236; 4.W.229.237; 4.W.229.238; 4.W.229.239; 4.W.229.154;
4.W.229.157; 4.W.229.166; 4.W.229.169; 4.W.229.172; 4.W.229.175;
20 4.W.229.240; 4.W.229.244; 4.W.230.228; 4.W.230.229; 4.W.230.230;
4.W.230.231; 4.W.230.236; 4.W.230.237; 4.W.230.238; 4.W.230.239;
4.W.230.154; 4.W.230.157; 4.W.230.166; 4.W.230.169; 4.W.230.172;
4.W.230.175; 4.W.230.240; 4.W.230.244; 4.W.231.228; 4.W.231.229;
4.W.231.230; 4.W.231.231; 4.W.231.236; 4.W.231.237; 4.W.231.238;
25 4.W.231.239; 4.W.231.154; 4.W.231.157; 4.W.231.166; 4.W.231.169;
4.W.231.172; 4.W.231.175; 4.W.231.240; 4.W.231.244; 4.W.236.228;
4.W.236.229; 4.W.236.230; 4.W.236.231; 4.W.236.236; 4.W.236.237;
4.W.236.238; 4.W.236.239; 4.W.236.154; 4.W.236.157; 4.W.236.166;
4.W.236.169; 4.W.236.172; 4.W.236.175; 4.W.236.240; 4.W.236.244;
30 4.W.237.228; 4.W.237.229; 4.W.237.230; 4.W.237.231; 4.W.237.236;
4.W.237.237; 4.W.237.238; 4.W.237.239; 4.W.237.154; 4.W.237.157;

4.W.237.166; 4.W.237.169; 4.W.237.172; 4.W.237.175; 4.W.237.240;
4.W.237.244; 4.W.238.228; 4.W.238.229; 4.W.238.230; 4.W.238.231;
4.W.238.236; 4.W.238.237; 4.W.238.238; 4.W.238.239; 4.W.238.154;
4.W.238.157; 4.W.238.166; 4.W.238.169; 4.W.238.172; 4.W.238.175;
5 4.W.238.240; 4.W.238.244; 4.W.239.228; 4.W.239.229; 4.W.239.230;
4.W.239.231; 4.W.239.236; 4.W.239.237; 4.W.239.238; 4.W.239.239;
4.W.239.154; 4.W.239.157; 4.W.239.166; 4.W.239.169; 4.W.239.172;
4.W.239.175; 4.W.239.240; 4.W.239.244; 4.W.154.228; 4.W.154.229;
4.W.154.230; 4.W.154.231; 4.W.154.236; 4.W.154.237; 4.W.154.238;
10 4.W.154.239; 4.W.154.154; 4.W.154.157; 4.W.154.166; 4.W.154.169;
4.W.154.172; 4.W.154.175; 4.W.154.240; 4.W.154.244; 4.W.157.228;
4.W.157.229; 4.W.157.230; 4.W.157.231; 4.W.157.236; 4.W.157.237;
4.W.157.238; 4.W.157.239; 4.W.157.154; 4.W.157.157; 4.W.157.166;
4.W.157.169; 4.W.157.172; 4.W.157.175; 4.W.157.240; 4.W.157.244;
15 4.W.166.228; 4.W.166.229; 4.W.166.230; 4.W.166.231; 4.W.166.236;
4.W.166.237; 4.W.166.238; 4.W.166.239; 4.W.166.154; 4.W.166.157;
4.W.166.166; 4.W.166.169; 4.W.166.172; 4.W.166.175; 4.W.166.240;
4.W.166.244; 4.W.169.228; 4.W.169.229; 4.W.169.230; 4.W.169.231;
4.W.169.236; 4.W.169.237; 4.W.169.238; 4.W.169.239; 4.W.169.154;
20 4.W.169.157; 4.W.169.166; 4.W.169.169; 4.W.169.172; 4.W.169.175;
4.W.169.240; 4.W.169.244; 4.W.172.228; 4.W.172.229; 4.W.172.230;
4.W.172.231; 4.W.172.236; 4.W.172.237; 4.W.172.238; 4.W.172.239;
4.W.172.154; 4.W.172.157; 4.W.172.166; 4.W.172.169; 4.W.172.172;
4.W.172.175; 4.W.172.240; 4.W.172.244; 4.W.175.228; 4.W.175.229;
25 4.W.175.230; 4.W.175.231; 4.W.175.236; 4.W.175.237; 4.W.175.238;
4.W.175.239; 4.W.175.154; 4.W.175.157; 4.W.175.166; 4.W.175.169;
4.W.175.172; 4.W.175.175; 4.W.175.240; 4.W.175.244; 4.W.240.228;
4.W.240.229; 4.W.240.230; 4.W.240.231; 4.W.240.236; 4.W.240.237;
4.W.240.238; 4.W.240.239; 4.W.240.154; 4.W.240.157; 4.W.240.166;
30 4.W.240.169; 4.W.240.172; 4.W.240.175; 4.W.240.240; 4.W.240.244;
4.W.244.228; 4.W.244.229; 4.W.244.230; 4.W.244.231; 4.W.244.236;

4.W.244.237; 4.W.244.238; 4.W.244.239; 4.W.244.154; 4.W.244.157;
4.W.244.166; 4.W.244.169; 4.W.244.172; 4.W.244.175; 4.W.244.240;
4.W.244.244;

5 Prodrugs of 4.Y

4.Y.228.228; 4.Y.228.229; 4.Y.228.230; 4.Y.228.231; 4.Y.228.236;
4.Y.228.237; 4.Y.228.238; 4.Y.228.239; 4.Y.228.154; 4.Y.228.157; 4.Y.228.166;
4.Y.228.169; 4.Y.228.172; 4.Y.228.175; 4.Y.228.240; 4.Y.228.244; 4.Y.229.228;
4.Y.229.229; 4.Y.229.230; 4.Y.229.231; 4.Y.229.236; 4.Y.229.237; 4.Y.229.238;
10 4.Y.229.239; 4.Y.229.154; 4.Y.229.157; 4.Y.229.166; 4.Y.229.169; 4.Y.229.172;
4.Y.229.175; 4.Y.229.240; 4.Y.229.244; 4.Y.230.228; 4.Y.230.229; 4.Y.230.230;
4.Y.230.231; 4.Y.230.236; 4.Y.230.237; 4.Y.230.238; 4.Y.230.239; 4.Y.230.154;
4.Y.230.157; 4.Y.230.166; 4.Y.230.169; 4.Y.230.172; 4.Y.230.175; 4.Y.230.240;
4.Y.230.244; 4.Y.231.228; 4.Y.231.229; 4.Y.231.230; 4.Y.231.231; 4.Y.231.236;
15 4.Y.231.237; 4.Y.231.238; 4.Y.231.239; 4.Y.231.154; 4.Y.231.157; 4.Y.231.166;
4.Y.231.169; 4.Y.231.172; 4.Y.231.175; 4.Y.231.240; 4.Y.231.244; 4.Y.236.228;
4.Y.236.229; 4.Y.236.230; 4.Y.236.231; 4.Y.236.236; 4.Y.236.237; 4.Y.236.238;
4.Y.236.239; 4.Y.236.154; 4.Y.236.157; 4.Y.236.166; 4.Y.236.169; 4.Y.236.172;
4.Y.236.175; 4.Y.236.240; 4.Y.236.244; 4.Y.237.228; 4.Y.237.229; 4.Y.237.230;
20 4.Y.237.231; 4.Y.237.236; 4.Y.237.237; 4.Y.237.238; 4.Y.237.239; 4.Y.237.154;
4.Y.237.157; 4.Y.237.166; 4.Y.237.169; 4.Y.237.172; 4.Y.237.175; 4.Y.237.240;
4.Y.237.244; 4.Y.238.228; 4.Y.238.229; 4.Y.238.230; 4.Y.238.231; 4.Y.238.236;
4.Y.238.237; 4.Y.238.238; 4.Y.238.239; 4.Y.238.154; 4.Y.238.157; 4.Y.238.166;
4.Y.238.169; 4.Y.238.172; 4.Y.238.175; 4.Y.238.240; 4.Y.238.244; 4.Y.239.228;
25 4.Y.239.229; 4.Y.239.230; 4.Y.239.231; 4.Y.239.236; 4.Y.239.237; 4.Y.239.238;
4.Y.239.239; 4.Y.239.154; 4.Y.239.157; 4.Y.239.166; 4.Y.239.169; 4.Y.239.172;
4.Y.239.175; 4.Y.239.240; 4.Y.239.244; 4.Y.154.228; 4.Y.154.229; 4.Y.154.230;
4.Y.154.231; 4.Y.154.236; 4.Y.154.237; 4.Y.154.238; 4.Y.154.239; 4.Y.154.154;
4.Y.154.157; 4.Y.154.166; 4.Y.154.169; 4.Y.154.172; 4.Y.154.175; 4.Y.154.240;
30 4.Y.154.244; 4.Y.157.228; 4.Y.157.229; 4.Y.157.230; 4.Y.157.231; 4.Y.157.236;
4.Y.157.237; 4.Y.157.238; 4.Y.157.239; 4.Y.157.154; 4.Y.157.157; 4.Y.157.166;

- 4.Y.157.169; 4.Y.157.172; 4.Y.157.175; 4.Y.157.240; 4.Y.157.244; 4.Y.166.228;
4.Y.166.229; 4.Y.166.230; 4.Y.166.231; 4.Y.166.236; 4.Y.166.237; 4.Y.166.238;
4.Y.166.239; 4.Y.166.154; 4.Y.166.157; 4.Y.166.166; 4.Y.166.169; 4.Y.166.172;
4.Y.166.175; 4.Y.166.240; 4.Y.166.244; 4.Y.169.228; 4.Y.169.229; 4.Y.169.230;
5 4.Y.169.231; 4.Y.169.236; 4.Y.169.237; 4.Y.169.238; 4.Y.169.239; 4.Y.169.154;
4.Y.169.157; 4.Y.169.166; 4.Y.169.169; 4.Y.169.172; 4.Y.169.175; 4.Y.169.240;
4.Y.169.244; 4.Y.172.228; 4.Y.172.229; 4.Y.172.230; 4.Y.172.231; 4.Y.172.236;
4.Y.172.237; 4.Y.172.238; 4.Y.172.239; 4.Y.172.154; 4.Y.172.157; 4.Y.172.166;
4.Y.172.169; 4.Y.172.172; 4.Y.172.175; 4.Y.172.240; 4.Y.172.244; 4.Y.175.228;
10 4.Y.175.229; 4.Y.175.230; 4.Y.175.231; 4.Y.175.236; 4.Y.175.237; 4.Y.175.238;
4.Y.175.239; 4.Y.175.154; 4.Y.175.157; 4.Y.175.166; 4.Y.175.169; 4.Y.175.172;
4.Y.175.175; 4.Y.175.240; 4.Y.175.244; 4.Y.240.228; 4.Y.240.229; 4.Y.240.230;
4.Y.240.231; 4.Y.240.236; 4.Y.240.237; 4.Y.240.238; 4.Y.240.239; 4.Y.240.154;
4.Y.240.157; 4.Y.240.166; 4.Y.240.169; 4.Y.240.172; 4.Y.240.175; 4.Y.240.240;
15 4.Y.240.244; 4.Y.244.228; 4.Y.244.229; 4.Y.244.230; 4.Y.244.231; 4.Y.244.236;
4.Y.244.237; 4.Y.244.238; 4.Y.244.239; 4.Y.244.154; 4.Y.244.157; 4.Y.244.166;
4.Y.244.169; 4.Y.244.172; 4.Y.244.175; 4.Y.244.240; 4.Y.244.244;

Prodrugs of 5.B

- 20 5.B.228.228; 5.B.228.229; 5.B.228.230; 5.B.228.231; 5.B.228.236;
5.B.228.237; 5.B.228.238; 5.B.228.239; 5.B.228.154; 5.B.228.157; 5.B.228.166;
5.B.228.169; 5.B.228.172; 5.B.228.175; 5.B.228.240; 5.B.228.244; 5.B.229.228;
5.B.229.229; 5.B.229.230; 5.B.229.231; 5.B.229.236; 5.B.229.237; 5.B.229.238;
5.B.229.239; 5.B.229.154; 5.B.229.157; 5.B.229.166; 5.B.229.169; 5.B.229.172;
25 5.B.229.175; 5.B.229.240; 5.B.229.244; 5.B.230.228; 5.B.230.229; 5.B.230.230;
5.B.230.231; 5.B.230.236; 5.B.230.237; 5.B.230.238; 5.B.230.239; 5.B.230.154;
5.B.230.157; 5.B.230.166; 5.B.230.169; 5.B.230.172; 5.B.230.175; 5.B.230.240;
5.B.230.244; 5.B.231.228; 5.B.231.229; 5.B.231.230; 5.B.231.231; 5.B.231.236;
5.B.231.237; 5.B.231.238; 5.B.231.239; 5.B.231.154; 5.B.231.157; 5.B.231.166;
30 5.B.231.169; 5.B.231.172; 5.B.231.175; 5.B.231.240; 5.B.231.244; 5.B.236.228;
5.B.236.229; 5.B.236.230; 5.B.236.231; 5.B.236.236; 5.B.236.237; 5.B.236.238;

5.B.236.239; 5.B.236.154; 5.B.236.157; 5.B.236.166; 5.B.236.169; 5.B.236.172;
5.B.236.175; 5.B.236.240; 5.B.236.244; 5.B.237.228; 5.B.237.229; 5.B.237.230;
5.B.237.231; 5.B.237.236; 5.B.237.237; 5.B.237.238; 5.B.237.239; 5.B.237.154;
5.B.237.157; 5.B.237.166; 5.B.237.169; 5.B.237.172; 5.B.237.175; 5.B.237.240;
5 5.B.237.244; 5.B.238.228; 5.B.238.229; 5.B.238.230; 5.B.238.231; 5.B.238.236;
5.B.238.237; 5.B.238.238; 5.B.238.239; 5.B.238.154; 5.B.238.157; 5.B.238.166;
5.B.238.169; 5.B.238.172; 5.B.238.175; 5.B.238.240; 5.B.238.244; 5.B.239.228;
5.B.239.229; 5.B.239.230; 5.B.239.231; 5.B.239.236; 5.B.239.237; 5.B.239.238;
5.B.239.239; 5.B.239.154; 5.B.239.157; 5.B.239.166; 5.B.239.169; 5.B.239.172;
10 5.B.239.175; 5.B.239.240; 5.B.239.244; 5.B.154.228; 5.B.154.229; 5.B.154.230;
5.B.154.231; 5.B.154.236; 5.B.154.237; 5.B.154.238; 5.B.154.239; 5.B.154.154;
5.B.154.157; 5.B.154.166; 5.B.154.169; 5.B.154.172; 5.B.154.175; 5.B.154.240;
5.B.154.244; 5.B.157.228; 5.B.157.229; 5.B.157.230; 5.B.157.231; 5.B.157.236;
5.B.157.237; 5.B.157.238; 5.B.157.239; 5.B.157.154; 5.B.157.157; 5.B.157.166;
15 5.B.157.169; 5.B.157.172; 5.B.157.175; 5.B.157.240; 5.B.157.244; 5.B.166.228;
5.B.166.229; 5.B.166.230; 5.B.166.231; 5.B.166.236; 5.B.166.237; 5.B.166.238;
5.B.166.239; 5.B.166.154; 5.B.166.157; 5.B.166.166; 5.B.166.169; 5.B.166.172;
5.B.166.175; 5.B.166.240; 5.B.166.244; 5.B.169.228; 5.B.169.229; 5.B.169.230;
5.B.169.231; 5.B.169.236; 5.B.169.237; 5.B.169.238; 5.B.169.239; 5.B.169.154;
20 5.B.169.157; 5.B.169.166; 5.B.169.169; 5.B.169.172; 5.B.169.175; 5.B.169.240;
5.B.169.244; 5.B.172.228; 5.B.172.229; 5.B.172.230; 5.B.172.231; 5.B.172.236;
5.B.172.237; 5.B.172.238; 5.B.172.239; 5.B.172.154; 5.B.172.157; 5.B.172.166;
5.B.172.169; 5.B.172.172; 5.B.172.175; 5.B.172.240; 5.B.172.244; 5.B.175.228;
5.B.175.229; 5.B.175.230; 5.B.175.231; 5.B.175.236; 5.B.175.237; 5.B.175.238;
25 5.B.175.239; 5.B.175.154; 5.B.175.157; 5.B.175.166; 5.B.175.169; 5.B.175.172;
5.B.175.175; 5.B.175.240; 5.B.175.244; 5.B.240.228; 5.B.240.229; 5.B.240.230;
5.B.240.231; 5.B.240.236; 5.B.240.237; 5.B.240.238; 5.B.240.239; 5.B.240.154;
5.B.240.157; 5.B.240.166; 5.B.240.169; 5.B.240.172; 5.B.240.175; 5.B.240.240;
5.B.240.244; 5.B.244.228; 5.B.244.229; 5.B.244.230; 5.B.244.231; 5.B.244.236;
30 5.B.244.237; 5.B.244.238; 5.B.244.239; 5.B.244.154; 5.B.244.157; 5.B.244.166;
5.B.244.169; 5.B.244.172; 5.B.244.175; 5.B.244.240; 5.B.244.244;

Prodrugs of 5.D

- 5.D.228.228; 5.D.228.229; 5.D.228.230; 5.D.228.231; 5.D.228.236;
5.D.228.237; 5.D.228.238; 5.D.228.239; 5.D.228.154; 5.D.228.157;
5 5.D.228.166; 5.D.228.169; 5.D.228.172; 5.D.228.175; 5.D.228.240;
5.D.228.244; 5.D.229.228; 5.D.229.229; 5.D.229.230; 5.D.229.231;
5.D.229.236; 5.D.229.237; 5.D.229.238; 5.D.229.239; 5.D.229.154;
5.D.229.157; 5.D.229.166; 5.D.229.169; 5.D.229.172; 5.D.229.175;
5.D.229.240; 5.D.229.244; 5.D.230.228; 5.D.230.229; 5.D.230.230;
10 5.D.230.231; 5.D.230.236; 5.D.230.237; 5.D.230.238; 5.D.230.239;
5.D.230.154; 5.D.230.157; 5.D.230.166; 5.D.230.169; 5.D.230.172;
5.D.230.175; 5.D.230.240; 5.D.230.244; 5.D.231.228; 5.D.231.229;
5.D.231.230; 5.D.231.231; 5.D.231.236; 5.D.231.237; 5.D.231.238;
5.D.231.239; 5.D.231.154; 5.D.231.157; 5.D.231.166; 5.D.231.169;
15 5.D.231.172; 5.D.231.175; 5.D.231.240; 5.D.231.244; 5.D.236.228;
5.D.236.229; 5.D.236.230; 5.D.236.231; 5.D.236.236; 5.D.236.237;
5.D.236.238; 5.D.236.239; 5.D.236.154; 5.D.236.157; 5.D.236.166;
5.D.236.169; 5.D.236.172; 5.D.236.175; 5.D.236.240; 5.D.236.244;
5.D.237.228; 5.D.237.229; 5.D.237.230; 5.D.237.231; 5.D.237.236;
20 5.D.237.237; 5.D.237.238; 5.D.237.239; 5.D.237.154; 5.D.237.157;
5.D.237.166; 5.D.237.169; 5.D.237.172; 5.D.237.175; 5.D.237.240;
5.D.237.244; 5.D.238.228; 5.D.238.229; 5.D.238.230; 5.D.238.231;
5.D.238.236; 5.D.238.237; 5.D.238.238; 5.D.238.239; 5.D.238.154;
5.D.238.157; 5.D.238.166; 5.D.238.169; 5.D.238.172; 5.D.238.175;
25 5.D.238.240; 5.D.238.244; 5.D.239.228; 5.D.239.229; 5.D.239.230;
5.D.239.231; 5.D.239.236; 5.D.239.237; 5.D.239.238; 5.D.239.239;
5.D.239.154; 5.D.239.157; 5.D.239.166; 5.D.239.169; 5.D.239.172;
5.D.239.175; 5.D.239.240; 5.D.239.244; 5.D.154.228; 5.D.154.229;
5.D.154.230; 5.D.154.231; 5.D.154.236; 5.D.154.237; 5.D.154.238;
30 5.D.154.239; 5.D.154.154; 5.D.154.157; 5.D.154.166; 5.D.154.169;
5.D.154.172; 5.D.154.175; 5.D.154.240; 5.D.154.244; 5.D.157.228;

5.D.157.229; 5.D.157.230; 5.D.157.231; 5.D.157.236; 5.D.157.237;
 5.D.157.238; 5.D.157.239; 5.D.157.154; 5.D.157.157; 5.D.157.166;
 5.D.157.169; 5.D.157.172; 5.D.157.175; 5.D.157.240; 5.D.157.244;
 5.D.166.228; 5.D.166.229; 5.D.166.230; 5.D.166.231; 5.D.166.236;
 5 5.D.166.237; 5.D.166.238; 5.D.166.239; 5.D.166.154; 5.D.166.157;
 5.D.166.166; 5.D.166.169; 5.D.166.172; 5.D.166.175; 5.D.166.240;
 5.D.166.244; 5.D.169.228; 5.D.169.229; 5.D.169.230; 5.D.169.231;
 5.D.169.236; 5.D.169.237; 5.D.169.238; 5.D.169.239; 5.D.169.154;
 5.D.169.157; 5.D.169.166; 5.D.169.169; 5.D.169.172; 5.D.169.175;
 10 5.D.169.240; 5.D.169.244; 5.D.172.228; 5.D.172.229; 5.D.172.230;
 5.D.172.231; 5.D.172.236; 5.D.172.237; 5.D.172.238; 5.D.172.239;
 5.D.172.154; 5.D.172.157; 5.D.172.166; 5.D.172.169; 5.D.172.172;
 5.D.172.175; 5.D.172.240; 5.D.172.244; 5.D.175.228; 5.D.175.229;
 5.D.175.230; 5.D.175.231; 5.D.175.236; 5.D.175.237; 5.D.175.238;
 15 5.D.175.239; 5.D.175.154; 5.D.175.157; 5.D.175.166; 5.D.175.169;
 5.D.175.172; 5.D.175.175; 5.D.175.240; 5.D.175.244; 5.D.240.228;
 5.D.240.229; 5.D.240.230; 5.D.240.231; 5.D.240.236; 5.D.240.237;
 5.D.240.238; 5.D.240.239; 5.D.240.154; 5.D.240.157; 5.D.240.166;
 5.D.240.169; 5.D.240.172; 5.D.240.175; 5.D.240.240; 5.D.240.244;
 20 5.D.244.228; 5.D.244.229; 5.D.244.230; 5.D.244.231; 5.D.244.236;
 5.D.244.237; 5.D.244.238; 5.D.244.239; 5.D.244.154; 5.D.244.157;
 5.D.244.166; 5.D.244.169; 5.D.244.172; 5.D.244.175; 5.D.244.240;
 5.D.244.244;

25 Prodrugs of 5.E

5.E.228.228; 5.E.228.229; 5.E.228.230; 5.E.228.231; 5.E.228.236;
 5.E.228.237; 5.E.228.238; 5.E.228.239; 5.E.228.154; 5.E.228.157; 5.E.228.166;
 5.E.228.169; 5.E.228.172; 5.E.228.175; 5.E.228.240; 5.E.228.244; 5.E.229.228;
 5.E.229.229; 5.E.229.230; 5.E.229.231; 5.E.229.236; 5.E.229.237; 5.E.229.238;
 30 5.E.229.239; 5.E.229.154; 5.E.229.157; 5.E.229.166; 5.E.229.169; 5.E.229.172;
 5.E.229.175; 5.E.229.240; 5.E.229.244; 5.E.230.228; 5.E.230.229; 5.E.230.230;

5.E.230.231; 5.E.230.236; 5.E.230.237; 5.E.230.238; 5.E.230.239; 5.E.230.154;
5.E.230.157; 5.E.230.166; 5.E.230.169; 5.E.230.172; 5.E.230.175; 5.E.230.240;
5.E.230.244; 5.E.231.228; 5.E.231.229; 5.E.231.230; 5.E.231.231; 5.E.231.236;
5.E.231.237; 5.E.231.238; 5.E.231.239; 5.E.231.154; 5.E.231.157; 5.E.231.166;
5 5.E.231.169; 5.E.231.172; 5.E.231.175; 5.E.231.240; 5.E.231.244; 5.E.236.228;
5.E.236.229; 5.E.236.230; 5.E.236.231; 5.E.236.236; 5.E.236.237; 5.E.236.238;
5.E.236.239; 5.E.236.154; 5.E.236.157; 5.E.236.166; 5.E.236.169; 5.E.236.172;
5.E.236.175; 5.E.236.240; 5.E.236.244; 5.E.237.228; 5.E.237.229; 5.E.237.230;
5.E.237.231; 5.E.237.236; 5.E.237.237; 5.E.237.238; 5.E.237.239; 5.E.237.154;
10 5.E.237.157; 5.E.237.166; 5.E.237.169; 5.E.237.172; 5.E.237.175; 5.E.237.240;
5.E.237.244; 5.E.238.228; 5.E.238.229; 5.E.238.230; 5.E.238.231; 5.E.238.236;
5.E.238.237; 5.E.238.238; 5.E.238.239; 5.E.238.154; 5.E.238.157; 5.E.238.166;
5.E.238.169; 5.E.238.172; 5.E.238.175; 5.E.238.240; 5.E.238.244; 5.E.239.228;
5.E.239.229; 5.E.239.230; 5.E.239.231; 5.E.239.236; 5.E.239.237; 5.E.239.238;
15 5.E.239.239; 5.E.239.154; 5.E.239.157; 5.E.239.166; 5.E.239.169; 5.E.239.172;
5.E.239.175; 5.E.239.240; 5.E.239.244; 5.E.154.228; 5.E.154.229; 5.E.154.230;
5.E.154.231; 5.E.154.236; 5.E.154.237; 5.E.154.238; 5.E.154.239; 5.E.154.154;
5.E.154.157; 5.E.154.166; 5.E.154.169; 5.E.154.172; 5.E.154.175; 5.E.154.240;
5.E.154.244; 5.E.157.228; 5.E.157.229; 5.E.157.230; 5.E.157.231; 5.E.157.236;
20 5.E.157.237; 5.E.157.238; 5.E.157.239; 5.E.157.154; 5.E.157.157; 5.E.157.166;
5.E.157.169; 5.E.157.172; 5.E.157.175; 5.E.157.240; 5.E.157.244; 5.E.166.228;
5.E.166.229; 5.E.166.230; 5.E.166.231; 5.E.166.236; 5.E.166.237; 5.E.166.238;
5.E.166.239; 5.E.166.154; 5.E.166.157; 5.E.166.166; 5.E.166.169; 5.E.166.172;
5.E.166.175; 5.E.166.240; 5.E.166.244; 5.E.169.228; 5.E.169.229; 5.E.169.230;
25 5.E.169.231; 5.E.169.236; 5.E.169.237; 5.E.169.238; 5.E.169.239; 5.E.169.154;
5.E.169.157; 5.E.169.166; 5.E.169.169; 5.E.169.172; 5.E.169.175; 5.E.169.240;
5.E.169.244; 5.E.172.228; 5.E.172.229; 5.E.172.230; 5.E.172.231; 5.E.172.236;
5.E.172.237; 5.E.172.238; 5.E.172.239; 5.E.172.154; 5.E.172.157; 5.E.172.166;
5.E.172.169; 5.E.172.172; 5.E.172.175; 5.E.172.240; 5.E.172.244; 5.E.175.228;
30 5.E.175.229; 5.E.175.230; 5.E.175.231; 5.E.175.236; 5.E.175.237; 5.E.175.238;
5.E.175.239; 5.E.175.154; 5.E.175.157; 5.E.175.166; 5.E.175.169; 5.E.175.172;

5.E.175.175; 5.E.175.240; 5.E.175.244; 5.E.240.228; 5.E.240.229; 5.E.240.230;
5.E.240.231; 5.E.240.236; 5.E.240.237; 5.E.240.238; 5.E.240.239; 5.E.240.154;
5.E.240.157; 5.E.240.166; 5.E.240.169; 5.E.240.172; 5.E.240.175; 5.E.240.240;
5.E.240.244; 5.E.244.228; 5.E.244.229; 5.E.244.230; 5.E.244.231; 5.E.244.236;
5 5.E.244.237; 5.E.244.238; 5.E.244.239; 5.E.244.154; 5.E.244.157; 5.E.244.166;
5.E.244.169; 5.E.244.172; 5.E.244.175; 5.E.244.240; 5.E.244.244;

Prodrugs of 5.G

5.G.228.228; 5.G.228.229; 5.G.228.230; 5.G.228.231; 5.G.228.236;
10 5.G.228.237; 5.G.228.238; 5.G.228.239; 5.G.228.154; 5.G.228.157;
5.G.228.166; 5.G.228.169; 5.G.228.172; 5.G.228.175; 5.G.228.240;
5.G.228.244; 5.G.229.228; 5.G.229.229; 5.G.229.230; 5.G.229.231;
5.G.229.236; 5.G.229.237; 5.G.229.238; 5.G.229.239; 5.G.229.154;
5.G.229.157; 5.G.229.166; 5.G.229.169; 5.G.229.172; 5.G.229.175;
15 5.G.229.240; 5.G.229.244; 5.G.230.228; 5.G.230.229; 5.G.230.230;
5.G.230.231; 5.G.230.236; 5.G.230.237; 5.G.230.238; 5.G.230.239;
5.G.230.154; 5.G.230.157; 5.G.230.166; 5.G.230.169; 5.G.230.172;
5.G.230.175; 5.G.230.240; 5.G.230.244; 5.G.231.228; 5.G.231.229;
5.G.231.230; 5.G.231.231; 5.G.231.236; 5.G.231.237; 5.G.231.238;
20 5.G.231.239; 5.G.231.154; 5.G.231.157; 5.G.231.166; 5.G.231.169;
5.G.231.172; 5.G.231.175; 5.G.231.240; 5.G.231.244; 5.G.236.228;
5.G.236.229; 5.G.236.230; 5.G.236.231; 5.G.236.236; 5.G.236.237;
5.G.236.238; 5.G.236.239; 5.G.236.154; 5.G.236.157; 5.G.236.166;
5.G.236.169; 5.G.236.172; 5.G.236.175; 5.G.236.240; 5.G.236.244;
25 5.G.237.228; 5.G.237.229; 5.G.237.230; 5.G.237.231; 5.G.237.236;
5.G.237.237; 5.G.237.238; 5.G.237.239; 5.G.237.154; 5.G.237.157;
5.G.237.166; 5.G.237.169; 5.G.237.172; 5.G.237.175; 5.G.237.240;
5.G.237.244; 5.G.238.228; 5.G.238.229; 5.G.238.230; 5.G.238.231;
5.G.238.236; 5.G.238.237; 5.G.238.238; 5.G.238.239; 5.G.238.154;
30 5.G.238.157; 5.G.238.166; 5.G.238.169; 5.G.238.172; 5.G.238.175;
5.G.238.240; 5.G.238.244; 5.G.239.228; 5.G.239.229; 5.G.239.230;

5.G.239.231; 5.G.239.236; 5.G.239.237; 5.G.239.238; 5.G.239.239;
5.G.239.154; 5.G.239.157; 5.G.239.166; 5.G.239.169; 5.G.239.172;
5.G.239.175; 5.G.239.240; 5.G.239.244; 5.G.154.228; 5.G.154.229;
5.G.154.230; 5.G.154.231; 5.G.154.236; 5.G.154.237; 5.G.154.238;
5 5.G.154.239; 5.G.154.154; 5.G.154.157; 5.G.154.166; 5.G.154.169;
5.G.154.172; 5.G.154.175; 5.G.154.240; 5.G.154.244; 5.G.157.228;
5.G.157.229; 5.G.157.230; 5.G.157.231; 5.G.157.236; 5.G.157.237;
5.G.157.238; 5.G.157.239; 5.G.157.154; 5.G.157.157; 5.G.157.166;
5.G.157.169; 5.G.157.172; 5.G.157.175; 5.G.157.240; 5.G.157.244;
10 5.G.166.228; 5.G.166.229; 5.G.166.230; 5.G.166.231; 5.G.166.236;
5.G.166.237; 5.G.166.238; 5.G.166.239; 5.G.166.154; 5.G.166.157;
5.G.166.166; 5.G.166.169; 5.G.166.172; 5.G.166.175; 5.G.166.240;
5.G.166.244; 5.G.169.228; 5.G.169.229; 5.G.169.230; 5.G.169.231;
5.G.169.236; 5.G.169.237; 5.G.169.238; 5.G.169.239; 5.G.169.154;
15 5.G.169.157; 5.G.169.166; 5.G.169.169; 5.G.169.172; 5.G.169.175;
5.G.169.240; 5.G.169.244; 5.G.172.228; 5.G.172.229; 5.G.172.230;
5.G.172.231; 5.G.172.236; 5.G.172.237; 5.G.172.238; 5.G.172.239;
5.G.172.154; 5.G.172.157; 5.G.172.166; 5.G.172.169; 5.G.172.172;
5.G.172.175; 5.G.172.240; 5.G.172.244; 5.G.175.228; 5.G.175.229;
20 5.G.175.230; 5.G.175.231; 5.G.175.236; 5.G.175.237; 5.G.175.238;
5.G.175.239; 5.G.175.154; 5.G.175.157; 5.G.175.166; 5.G.175.169;
5.G.175.172; 5.G.175.175; 5.G.175.240; 5.G.175.244; 5.G.240.228;
5.G.240.229; 5.G.240.230; 5.G.240.231; 5.G.240.236; 5.G.240.237;
5.G.240.238; 5.G.240.239; 5.G.240.154; 5.G.240.157; 5.G.240.166;
25 5.G.240.169; 5.G.240.172; 5.G.240.175; 5.G.240.240; 5.G.240.244;
5.G.244.228; 5.G.244.229; 5.G.244.230; 5.G.244.231; 5.G.244.236;
5.G.244.237; 5.G.244.238; 5.G.244.239; 5.G.244.154; 5.G.244.157;
5.G.244.166; 5.G.244.169; 5.G.244.172; 5.G.244.175; 5.G.244.240;
5.G.244.244;

30

Prodrugs of 5.I

5.I.228.228; 5.I.228.229; 5.I.228.230; 5.I.228.231; 5.I.228.236; 5.I.228.237;
5.I.228.238; 5.I.228.239; 5.I.228.154; 5.I.228.157; 5.I.228.166; 5.I.228.169;
5.I.228.172; 5.I.228.175; 5.I.228.240; 5.I.228.244; 5.I.229.228; 5.I.229.229;
5.I.229.230; 5.I.229.231; 5.I.229.236; 5.I.229.237; 5.I.229.238; 5.I.229.239;
5 5.I.229.154; 5.I.229.157; 5.I.229.166; 5.I.229.169; 5.I.229.172; 5.I.229.175;
5.I.229.240; 5.I.229.244; 5.I.230.228; 5.I.230.229; 5.I.230.230; 5.I.230.231;
5.I.230.236; 5.I.230.237; 5.I.230.238; 5.I.230.239; 5.I.230.154; 5.I.230.157;
5.I.230.166; 5.I.230.169; 5.I.230.172; 5.I.230.175; 5.I.230.240; 5.I.230.244;
5.I.231.228; 5.I.231.229; 5.I.231.230; 5.I.231.231; 5.I.231.236; 5.I.231.237;
10 5.I.231.238; 5.I.231.239; 5.I.231.154; 5.I.231.157; 5.I.231.166; 5.I.231.169;
5.I.231.172; 5.I.231.175; 5.I.231.240; 5.I.231.244; 5.I.236.228; 5.I.236.229;
5.I.236.230; 5.I.236.231; 5.I.236.236; 5.I.236.237; 5.I.236.238; 5.I.236.239;
5.I.236.154; 5.I.236.157; 5.I.236.166; 5.I.236.169; 5.I.236.172; 5.I.236.175;
5.I.236.240; 5.I.236.244; 5.I.237.228; 5.I.237.229; 5.I.237.230; 5.I.237.231;
15 5.I.237.236; 5.I.237.237; 5.I.237.238; 5.I.237.239; 5.I.237.154; 5.I.237.157;
5.I.237.166; 5.I.237.169; 5.I.237.172; 5.I.237.175; 5.I.237.240; 5.I.237.244;
5.I.238.228; 5.I.238.229; 5.I.238.230; 5.I.238.231; 5.I.238.236; 5.I.238.237;
5.I.238.238; 5.I.238.239; 5.I.238.154; 5.I.238.157; 5.I.238.166; 5.I.238.169;
5.I.238.172; 5.I.238.175; 5.I.238.240; 5.I.238.244; 5.I.239.228; 5.I.239.229;
20 5.I.239.230; 5.I.239.231; 5.I.239.236; 5.I.239.237; 5.I.239.238; 5.I.239.239;
5.I.239.154; 5.I.239.157; 5.I.239.166; 5.I.239.169; 5.I.239.172; 5.I.239.175;
5.I.239.240; 5.I.239.244; 5.I.154.228; 5.I.154.229; 5.I.154.230; 5.I.154.231;
5.I.154.236; 5.I.154.237; 5.I.154.238; 5.I.154.239; 5.I.154.154; 5.I.154.157;
5.I.154.166; 5.I.154.169; 5.I.154.172; 5.I.154.175; 5.I.154.240; 5.I.154.244;
25 5.I.157.228; 5.I.157.229; 5.I.157.230; 5.I.157.231; 5.I.157.236; 5.I.157.237;
5.I.157.238; 5.I.157.239; 5.I.157.154; 5.I.157.157; 5.I.157.166; 5.I.157.169;
5.I.157.172; 5.I.157.175; 5.I.157.240; 5.I.157.244; 5.I.166.228; 5.I.166.229;
5.I.166.230; 5.I.166.231; 5.I.166.236; 5.I.166.237; 5.I.166.238; 5.I.166.239;
5.I.166.154; 5.I.166.157; 5.I.166.166; 5.I.166.169; 5.I.166.172; 5.I.166.175;
30 5.I.166.240; 5.I.166.244; 5.I.169.228; 5.I.169.229; 5.I.169.230; 5.I.169.231;
5.I.169.236; 5.I.169.237; 5.I.169.238; 5.I.169.239; 5.I.169.154; 5.I.169.157;

5.I.169.166; 5.I.169.169; 5.I.169.172; 5.I.169.175; 5.I.169.240; 5.I.169.244;
5.I.172.228; 5.I.172.229; 5.I.172.230; 5.I.172.231; 5.I.172.236; 5.I.172.237;
5.I.172.238; 5.I.172.239; 5.I.172.154; 5.I.172.157; 5.I.172.166; 5.I.172.169;
5.I.172.172; 5.I.172.175; 5.I.172.240; 5.I.172.244; 5.I.175.228; 5.I.175.229;
5 5.I.175.230; 5.I.175.231; 5.I.175.236; 5.I.175.237; 5.I.175.238; 5.I.175.239;
5.I.175.154; 5.I.175.157; 5.I.175.166; 5.I.175.169; 5.I.175.172; 5.I.175.175;
5.I.175.240; 5.I.175.244; 5.I.240.228; 5.I.240.229; 5.I.240.230; 5.I.240.231;
5.I.240.236; 5.I.240.237; 5.I.240.238; 5.I.240.239; 5.I.240.154; 5.I.240.157;
5.I.240.166; 5.I.240.169; 5.I.240.172; 5.I.240.175; 5.I.240.240; 5.I.240.244;
10 5.I.244.228; 5.I.244.229; 5.I.244.230; 5.I.244.231; 5.I.244.236; 5.I.244.237;
5.I.244.238; 5.I.244.239; 5.I.244.154; 5.I.244.157; 5.I.244.166; 5.I.244.169;
5.I.244.172; 5.I.244.175; 5.I.244.240; 5.I.244.244;

Prodrugs of 5.I

15 5.J.228.228; 5.J.228.229; 5.J.228.230; 5.J.228.231; 5.J.228.236; 5.J.228.237;
5.J.228.238; 5.J.228.239; 5.J.228.154; 5.J.228.157; 5.J.228.166; 5.J.228.169;
5.J.228.172; 5.J.228.175; 5.J.228.240; 5.J.228.244; 5.J.229.228; 5.J.229.229;
5.J.229.230; 5.J.229.231; 5.J.229.236; 5.J.229.237; 5.J.229.238; 5.J.229.239;
5.J.229.154; 5.J.229.157; 5.J.229.166; 5.J.229.169; 5.J.229.172; 5.J.229.175;
20 5.J.229.240; 5.J.229.244; 5.J.230.228; 5.J.230.229; 5.J.230.230; 5.J.230.231;
5.J.230.236; 5.J.230.237; 5.J.230.238; 5.J.230.239; 5.J.230.154; 5.J.230.157;
5.J.230.166; 5.J.230.169; 5.J.230.172; 5.J.230.175; 5.J.230.240; 5.J.230.244;
5.J.231.228; 5.J.231.229; 5.J.231.230; 5.J.231.231; 5.J.231.236; 5.J.231.237;
5.J.231.238; 5.J.231.239; 5.J.231.154; 5.J.231.157; 5.J.231.166; 5.J.231.169;
25 5.J.231.172; 5.J.231.175; 5.J.231.240; 5.J.231.244; 5.J.236.228; 5.J.236.229;
5.J.236.230; 5.J.236.231; 5.J.236.236; 5.J.236.237; 5.J.236.238; 5.J.236.239;
5.J.236.154; 5.J.236.157; 5.J.236.166; 5.J.236.169; 5.J.236.172; 5.J.236.175;
5.J.236.240; 5.J.236.244; 5.J.237.228; 5.J.237.229; 5.J.237.230; 5.J.237.231;
5.J.237.236; 5.J.237.237; 5.J.237.238; 5.J.237.239; 5.J.237.154; 5.J.237.157;
30 5.J.237.166; 5.J.237.169; 5.J.237.172; 5.J.237.175; 5.J.237.240; 5.J.237.244;
5.J.238.228; 5.J.238.229; 5.J.238.230; 5.J.238.231; 5.J.238.236; 5.J.238.237;

- 5 J.238.238; 5.J.238.239; 5.J.238.154; 5.J.238.157; 5.J.238.166; 5.J.238.169;
5.J.238.172; 5.J.238.175; 5.J.238.240; 5.J.238.244; 5.J.239.228; 5.J.239.229;
5.J.239.230; 5.J.239.231; 5.J.239.236; 5.J.239.237; 5.J.239.238; 5.J.239.239;
5.J.239.154; 5.J.239.157; 5.J.239.166; 5.J.239.169; 5.J.239.172; 5.J.239.175;
5 5.J.239.240; 5.J.239.244; 5.J.154.228; 5.J.154.229; 5.J.154.230; 5.J.154.231;
5.J.154.236; 5.J.154.237; 5.J.154.238; 5.J.154.239; 5.J.154.154; 5.J.154.157;
5.J.154.166; 5.J.154.169; 5.J.154.172; 5.J.154.175; 5.J.154.240; 5.J.154.244;
5.J.157.228; 5.J.157.229; 5.J.157.230; 5.J.157.231; 5.J.157.236; 5.J.157.237;
5.J.157.238; 5.J.157.239; 5.J.157.154; 5.J.157.157; 5.J.157.166; 5.J.157.169;
10 5.J.157.172; 5.J.157.175; 5.J.157.240; 5.J.157.244; 5.J.166.228; 5.J.166.229;
5.J.166.230; 5.J.166.231; 5.J.166.236; 5.J.166.237; 5.J.166.238; 5.J.166.239;
5.J.166.154; 5.J.166.157; 5.J.166.166; 5.J.166.169; 5.J.166.172; 5.J.166.175;
5.J.166.240; 5.J.166.244; 5.J.169.228; 5.J.169.229; 5.J.169.230; 5.J.169.231;
5.J.169.236; 5.J.169.237; 5.J.169.238; 5.J.169.239; 5.J.169.154; 5.J.169.157;
15 5.J.169.166; 5.J.169.169; 5.J.169.172; 5.J.169.175; 5.J.169.240; 5.J.169.244;
5.J.172.228; 5.J.172.229; 5.J.172.230; 5.J.172.231; 5.J.172.236; 5.J.172.237;
5.J.172.238; 5.J.172.239; 5.J.172.154; 5.J.172.157; 5.J.172.166; 5.J.172.169;
5.J.172.172; 5.J.172.175; 5.J.172.240; 5.J.172.244; 5.J.175.228; 5.J.175.229;
5.J.175.230; 5.J.175.231; 5.J.175.236; 5.J.175.237; 5.J.175.238; 5.J.175.239;
20 5.J.175.154; 5.J.175.157; 5.J.175.166; 5.J.175.169; 5.J.175.172; 5.J.175.175;
5.J.175.240; 5.J.175.244; 5.J.240.228; 5.J.240.229; 5.J.240.230; 5.J.240.231;
5.J.240.236; 5.J.240.237; 5.J.240.238; 5.J.240.239; 5.J.240.154; 5.J.240.157;
5.J.240.166; 5.J.240.169; 5.J.240.172; 5.J.240.175; 5.J.240.240; 5.J.240.244;
5.J.244.228; 5.J.244.229; 5.J.244.230; 5.J.244.231; 5.J.244.236; 5.J.244.237;
25 5.J.244.238; 5.J.244.239; 5.J.244.154; 5.J.244.157; 5.J.244.166; 5.J.244.169;
5.J.244.172; 5.J.244.175; 5.J.244.240; 5.J.244.244;

Prodrugs of 5.L

- 5.L.228.228; 5.L.228.229; 5.L.228.230; 5.L.228.231; 5.L.228.236;
30 5.L.228.237; 5.L.228.238; 5.L.228.239; 5.L.228.154; 5.L.228.157; 5.L.228.166;
5.L.228.169; 5.L.228.172; 5.L.228.175; 5.L.228.240; 5.L.228.244; 5.L.229.228;

5.L.229.229; 5.L.229.230; 5.L.229.231; 5.L.229.236; 5.L.229.237; 5.L.229.238;
5.L.229.239; 5.L.229.154; 5.L.229.157; 5.L.229.166; 5.L.229.169; 5.L.229.172;
5.L.229.175; 5.L.229.240; 5.L.229.244; 5.L.230.228; 5.L.230.229; 5.L.230.230;
5.L.230.231; 5.L.230.236; 5.L.230.237; 5.L.230.238; 5.L.230.239; 5.L.230.154;
5 5.L.230.157; 5.L.230.166; 5.L.230.169; 5.L.230.172; 5.L.230.175; 5.L.230.240;
5.L.230.244; 5.L.231.228; 5.L.231.229; 5.L.231.230; 5.L.231.231; 5.L.231.236;
5.L.231.237; 5.L.231.238; 5.L.231.239; 5.L.231.154; 5.L.231.157; 5.L.231.166;
5.L.231.169; 5.L.231.172; 5.L.231.175; 5.L.231.240; 5.L.231.244; 5.L.236.228;
5.L.236.229; 5.L.236.230; 5.L.236.231; 5.L.236.236; 5.L.236.237; 5.L.236.238;
10 5.L.236.239; 5.L.236.154; 5.L.236.157; 5.L.236.166; 5.L.236.169; 5.L.236.172;
5.L.236.175; 5.L.236.240; 5.L.236.244; 5.L.237.228; 5.L.237.229; 5.L.237.230;
5.L.237.231; 5.L.237.236; 5.L.237.237; 5.L.237.238; 5.L.237.239; 5.L.237.154;
5.L.237.157; 5.L.237.166; 5.L.237.169; 5.L.237.172; 5.L.237.175; 5.L.237.240;
5.L.237.244; 5.L.238.228; 5.L.238.229; 5.L.238.230; 5.L.238.231; 5.L.238.236;
15 5.L.238.237; 5.L.238.238; 5.L.238.239; 5.L.238.154; 5.L.238.157; 5.L.238.166;
5.L.238.169; 5.L.238.172; 5.L.238.175; 5.L.238.240; 5.L.238.244; 5.L.239.228;
5.L.239.229; 5.L.239.230; 5.L.239.231; 5.L.239.236; 5.L.239.237; 5.L.239.238;
5.L.239.239; 5.L.239.154; 5.L.239.157; 5.L.239.166; 5.L.239.169; 5.L.239.172;
5.L.239.175; 5.L.239.240; 5.L.239.244; 5.L.154.228; 5.L.154.229; 5.L.154.230;
20 5.L.154.231; 5.L.154.236; 5.L.154.237; 5.L.154.238; 5.L.154.239; 5.L.154.154;
5.L.154.157; 5.L.154.166; 5.L.154.169; 5.L.154.172; 5.L.154.175; 5.L.154.240;
5.L.154.244; 5.L.157.228; 5.L.157.229; 5.L.157.230; 5.L.157.231; 5.L.157.236;
5.L.157.237; 5.L.157.238; 5.L.157.239; 5.L.157.154; 5.L.157.157; 5.L.157.166;
5.L.157.169; 5.L.157.172; 5.L.157.175; 5.L.157.240; 5.L.157.244; 5.L.166.228;
25 5.L.166.229; 5.L.166.230; 5.L.166.231; 5.L.166.236; 5.L.166.237; 5.L.166.238;
5.L.166.239; 5.L.166.154; 5.L.166.157; 5.L.166.166; 5.L.166.169; 5.L.166.172;
5.L.166.175; 5.L.166.240; 5.L.166.244; 5.L.169.228; 5.L.169.229; 5.L.169.230;
5.L.169.231; 5.L.169.236; 5.L.169.237; 5.L.169.238; 5.L.169.239; 5.L.169.154;
5.L.169.157; 5.L.169.166; 5.L.169.169; 5.L.169.172; 5.L.169.175; 5.L.169.240;
30 5.L.169.244; 5.L.172.228; 5.L.172.229; 5.L.172.230; 5.L.172.231; 5.L.172.236;
5.L.172.237; 5.L.172.238; 5.L.172.239; 5.L.172.154; 5.L.172.157; 5.L.172.166;

5.L.172.169; 5.L.172.172; 5.L.172.175; 5.L.172.240; 5.L.172.244; 5.L.175.228;
5.L.175.229; 5.L.175.230; 5.L.175.231; 5.L.175.236; 5.L.175.237; 5.L.175.238;
5.L.175.239; 5.L.175.154; 5.L.175.157; 5.L.175.166; 5.L.175.169; 5.L.175.172;
5.L.175.175; 5.L.175.240; 5.L.175.244; 5.L.240.228; 5.L.240.229; 5.L.240.230;
5 5.L.240.231; 5.L.240.236; 5.L.240.237; 5.L.240.238; 5.L.240.239; 5.L.240.154;
5.L.240.157; 5.L.240.166; 5.L.240.169; 5.L.240.172; 5.L.240.175; 5.L.240.240;
5.L.240.244; 5.L.244.228; 5.L.244.229; 5.L.244.230; 5.L.244.231; 5.L.244.236;
5.L.244.237; 5.L.244.238; 5.L.244.239; 5.L.244.154; 5.L.244.157; 5.L.244.166;
5.L.244.169; 5.L.244.172; 5.L.244.175; 5.L.244.240; 5.L.244.244;

10

Prodrugs of 5.O

5.O.228.228; 5.O.228.229; 5.O.228.230; 5.O.228.231; 5.O.228.236;
5.O.228.237; 5.O.228.238; 5.O.228.239; 5.O.228.154; 5.O.228.157;
5.O.228.166; 5.O.228.169; 5.O.228.172; 5.O.228.175; 5.O.228.240;
15 5.O.228.244; 5.O.229.228; 5.O.229.229; 5.O.229.230; 5.O.229.231;
5.O.229.236; 5.O.229.237; 5.O.229.238; 5.O.229.239; 5.O.229.154;
5.O.229.157; 5.O.229.166; 5.O.229.169; 5.O.229.172; 5.O.229.175;
5.O.229.240; 5.O.229.244; 5.O.230.228; 5.O.230.229; 5.O.230.230;
5.O.230.231; 5.O.230.236; 5.O.230.237; 5.O.230.238; 5.O.230.239;
20 5.O.230.154; 5.O.230.157; 5.O.230.166; 5.O.230.169; 5.O.230.172;
5.O.230.175; 5.O.230.240; 5.O.230.244; 5.O.231.228; 5.O.231.229;
5.O.231.230; 5.O.231.231; 5.O.231.236; 5.O.231.237; 5.O.231.238;
5.O.231.239; 5.O.231.154; 5.O.231.157; 5.O.231.166; 5.O.231.169;
5.O.231.172; 5.O.231.175; 5.O.231.240; 5.O.231.244; 5.O.236.228;
25 5.O.236.229; 5.O.236.230; 5.O.236.231; 5.O.236.236; 5.O.236.237;
5.O.236.238; 5.O.236.239; 5.O.236.154; 5.O.236.157; 5.O.236.166;
5.O.236.169; 5.O.236.172; 5.O.236.175; 5.O.236.240; 5.O.236.244;
5.O.237.228; 5.O.237.229; 5.O.237.230; 5.O.237.231; 5.O.237.236;
5.O.237.237; 5.O.237.238; 5.O.237.239; 5.O.237.154; 5.O.237.157;
30 5.O.237.166; 5.O.237.169; 5.O.237.172; 5.O.237.175; 5.O.237.240;
5.O.237.244; 5.O.238.228; 5.O.238.229; 5.O.238.230; 5.O.238.231;

5.O.238.236; 5.O.238.237; 5.O.238.238; 5.O.238.239; 5.O.238.154;
5.O.238.157; 5.O.238.166; 5.O.238.169; 5.O.238.172; 5.O.238.175;
5.O.238.240; 5.O.238.244; 5.O.239.228; 5.O.239.229; 5.O.239.230;
5.O.239.231; 5.O.239.236; 5.O.239.237; 5.O.239.238; 5.O.239.239;
5 5.O.239.154; 5.O.239.157; 5.O.239.166; 5.O.239.169; 5.O.239.172;
5.O.239.175; 5.O.239.240; 5.O.239.244; 5.O.154.228; 5.O.154.229;
5.O.154.230; 5.O.154.231; 5.O.154.236; 5.O.154.237; 5.O.154.238;
5.O.154.239; 5.O.154.154; 5.O.154.157; 5.O.154.166; 5.O.154.169;
5.O.154.172; 5.O.154.175; 5.O.154.240; 5.O.154.244; 5.O.157.228;
10 5.O.157.229; 5.O.157.230; 5.O.157.231; 5.O.157.236; 5.O.157.237;
5.O.157.238; 5.O.157.239; 5.O.157.154; 5.O.157.157; 5.O.157.166;
5.O.157.169; 5.O.157.172; 5.O.157.175; 5.O.157.240; 5.O.157.244;
5.O.166.228; 5.O.166.229; 5.O.166.230; 5.O.166.231; 5.O.166.236;
5.O.166.237; 5.O.166.238; 5.O.166.239; 5.O.166.154; 5.O.166.157;
15 5.O.166.166; 5.O.166.169; 5.O.166.172; 5.O.166.175; 5.O.166.240;
5.O.166.244; 5.O.169.228; 5.O.169.229; 5.O.169.230; 5.O.169.231;
5.O.169.236; 5.O.169.237; 5.O.169.238; 5.O.169.239; 5.O.169.154;
5.O.169.157; 5.O.169.166; 5.O.169.169; 5.O.169.172; 5.O.169.175;
5.O.169.240; 5.O.169.244; 5.O.172.228; 5.O.172.229; 5.O.172.230;
20 5.O.172.231; 5.O.172.236; 5.O.172.237; 5.O.172.238; 5.O.172.239;
5.O.172.154; 5.O.172.157; 5.O.172.166; 5.O.172.169; 5.O.172.172;
5.O.172.175; 5.O.172.240; 5.O.172.244; 5.O.175.228; 5.O.175.229;
5.O.175.230; 5.O.175.231; 5.O.175.236; 5.O.175.237; 5.O.175.238;
5.O.175.239; 5.O.175.154; 5.O.175.157; 5.O.175.166; 5.O.175.169;
25 5.O.175.172; 5.O.175.175; 5.O.175.240; 5.O.175.244; 5.O.240.228;
5.O.240.229; 5.O.240.230; 5.O.240.231; 5.O.240.236; 5.O.240.237;
5.O.240.238; 5.O.240.239; 5.O.240.154; 5.O.240.157; 5.O.240.166;
5.O.240.169; 5.O.240.172; 5.O.240.175; 5.O.240.240; 5.O.240.244;
5.O.244.228; 5.O.244.229; 5.O.244.230; 5.O.244.231; 5.O.244.236;
30 5.O.244.237; 5.O.244.238; 5.O.244.239; 5.O.244.154; 5.O.244.157;

5.O.244.166; 5.O.244.169; 5.O.244.172; 5.O.244.175; 5.O.244.240;
5.O.244.244;

Prodrugs of 5.P

- 5 5.P.228.228; 5.P.228.229; 5.P.228.230; 5.P.228.231; 5.P.228.236;
5.P.228.237; 5.P.228.238; 5.P.228.239; 5.P.228.154; 5.P.228.157; 5.P.228.166;
5.P.228.169; 5.P.228.172; 5.P.228.175; 5.P.228.240; 5.P.228.244; 5.P.229.228;
5.P.229.229; 5.P.229.230; 5.P.229.231; 5.P.229.236; 5.P.229.237; 5.P.229.238;
5.P.229.239; 5.P.229.154; 5.P.229.157; 5.P.229.166; 5.P.229.169; 5.P.229.172;
10 5.P.229.175; 5.P.229.240; 5.P.229.244; 5.P.230.228; 5.P.230.229; 5.P.230.230;
5.P.230.231; 5.P.230.236; 5.P.230.237; 5.P.230.238; 5.P.230.239; 5.P.230.154;
5.P.230.157; 5.P.230.166; 5.P.230.169; 5.P.230.172; 5.P.230.175; 5.P.230.240;
5.P.230.244; 5.P.231.228; 5.P.231.229; 5.P.231.230; 5.P.231.231; 5.P.231.236;
5.P.231.237; 5.P.231.238; 5.P.231.239; 5.P.231.154; 5.P.231.157; 5.P.231.166;
15 5.P.231.169; 5.P.231.172; 5.P.231.175; 5.P.231.240; 5.P.231.244; 5.P.236.228;
5.P.236.229; 5.P.236.230; 5.P.236.231; 5.P.236.236; 5.P.236.237; 5.P.236.238;
5.P.236.239; 5.P.236.154; 5.P.236.157; 5.P.236.166; 5.P.236.169; 5.P.236.172;
5.P.236.175; 5.P.236.240; 5.P.236.244; 5.P.237.228; 5.P.237.229; 5.P.237.230;
5.P.237.231; 5.P.237.236; 5.P.237.237; 5.P.237.238; 5.P.237.239; 5.P.237.154;
20 5.P.237.157; 5.P.237.166; 5.P.237.169; 5.P.237.172; 5.P.237.175; 5.P.237.240;
5.P.237.244; 5.P.238.228; 5.P.238.229; 5.P.238.230; 5.P.238.231; 5.P.238.236;
5.P.238.237; 5.P.238.238; 5.P.238.239; 5.P.238.154; 5.P.238.157; 5.P.238.166;
5.P.238.169; 5.P.238.172; 5.P.238.175; 5.P.238.240; 5.P.238.244; 5.P.239.228;
5.P.239.229; 5.P.239.230; 5.P.239.231; 5.P.239.236; 5.P.239.237; 5.P.239.238;
25 5.P.239.239; 5.P.239.154; 5.P.239.157; 5.P.239.166; 5.P.239.169; 5.P.239.172;
5.P.239.175; 5.P.239.240; 5.P.239.244; 5.P.154.228; 5.P.154.229; 5.P.154.230;
5.P.154.231; 5.P.154.236; 5.P.154.237; 5.P.154.238; 5.P.154.239; 5.P.154.154;
5.P.154.157; 5.P.154.166; 5.P.154.169; 5.P.154.172; 5.P.154.175; 5.P.154.240;
5.P.154.244; 5.P.157.228; 5.P.157.229; 5.P.157.230; 5.P.157.231; 5.P.157.236;
30 5.P.157.237; 5.P.157.238; 5.P.157.239; 5.P.157.154; 5.P.157.157; 5.P.157.166;
5.P.157.169; 5.P.157.172; 5.P.157.175; 5.P.157.240; 5.P.157.244; 5.P.166.228;

5.P.166.229; 5.P.166.230; 5.P.166.231; 5.P.166.236; 5.P.166.237; 5.P.166.238;
5.P.166.239; 5.P.166.154; 5.P.166.157; 5.P.166.166; 5.P.166.169; 5.P.166.172;
5.P.166.175; 5.P.166.240; 5.P.166.244; 5.P.169.228; 5.P.169.229; 5.P.169.230;
5.P.169.231; 5.P.169.236; 5.P.169.237; 5.P.169.238; 5.P.169.239; 5.P.169.154;
5 5.P.169.157; 5.P.169.166; 5.P.169.169; 5.P.169.172; 5.P.169.175; 5.P.169.240;
5.P.169.244; 5.P.172.228; 5.P.172.229; 5.P.172.230; 5.P.172.231; 5.P.172.236;
5.P.172.237; 5.P.172.238; 5.P.172.239; 5.P.172.154; 5.P.172.157; 5.P.172.166;
5.P.172.169; 5.P.172.172; 5.P.172.175; 5.P.172.240; 5.P.172.244; 5.P.175.228;
5.P.175.229; 5.P.175.230; 5.P.175.231; 5.P.175.236; 5.P.175.237; 5.P.175.238;
10 5.P.175.239; 5.P.175.154; 5.P.175.157; 5.P.175.166; 5.P.175.169; 5.P.175.172;
5.P.175.175; 5.P.175.240; 5.P.175.244; 5.P.240.228; 5.P.240.229; 5.P.240.230;
5.P.240.231; 5.P.240.236; 5.P.240.237; 5.P.240.238; 5.P.240.239; 5.P.240.154;
5.P.240.157; 5.P.240.166; 5.P.240.169; 5.P.240.172; 5.P.240.175; 5.P.240.240;
5.P.240.244; 5.P.244.228; 5.P.244.229; 5.P.244.230; 5.P.244.231; 5.P.244.236;
15 5.P.244.237; 5.P.244.238; 5.P.244.239; 5.P.244.154; 5.P.244.157; 5.P.244.166;
5.P.244.169; 5.P.244.172; 5.P.244.175; 5.P.244.240; 5.P.244.244;

Prodrugs of 5.U

5.U.228.228; 5.U.228.229; 5.U.228.230; 5.U.228.231; 5.U.228.236;
20 5.U.228.237; 5.U.228.238; 5.U.228.239; 5.U.228.154; 5.U.228.157;
5.U.228.166; 5.U.228.169; 5.U.228.172; 5.U.228.175; 5.U.228.240;
5.U.228.244; 5.U.229.228; 5.U.229.229; 5.U.229.230; 5.U.229.231;
5.U.229.236; 5.U.229.237; 5.U.229.238; 5.U.229.239; 5.U.229.154;
5.U.229.157; 5.U.229.166; 5.U.229.169; 5.U.229.172; 5.U.229.175;
25 5.U.229.240; 5.U.229.244; 5.U.230.228; 5.U.230.229; 5.U.230.230;
5.U.230.231; 5.U.230.236; 5.U.230.237; 5.U.230.238; 5.U.230.239;
5.U.230.154; 5.U.230.157; 5.U.230.166; 5.U.230.169; 5.U.230.172;
5.U.230.175; 5.U.230.240; 5.U.230.244; 5.U.231.228; 5.U.231.229;
5.U.231.230; 5.U.231.231; 5.U.231.236; 5.U.231.237; 5.U.231.238;
30 5.U.231.239; 5.U.231.154; 5.U.231.157; 5.U.231.166; 5.U.231.169;
5.U.231.172; 5.U.231.175; 5.U.231.240; 5.U.231.244; 5.U.236.228;

5.U.236.229; 5.U.236.230; 5.U.236.231; 5.U.236.236; 5.U.236.237;
5.U.236.238; 5.U.236.239; 5.U.236.154; 5.U.236.157; 5.U.236.166;
5.U.236.169; 5.U.236.172; 5.U.236.175; 5.U.236.240; 5.U.236.244;
5.U.237.228; 5.U.237.229; 5.U.237.230; 5.U.237.231; 5.U.237.236;
5 5.U.237.237; 5.U.237.238; 5.U.237.239; 5.U.237.154; 5.U.237.157;
5.U.237.166; 5.U.237.169; 5.U.237.172; 5.U.237.175; 5.U.237.240;
5.U.237.244; 5.U.238.228; 5.U.238.229; 5.U.238.230; 5.U.238.231;
5.U.238.236; 5.U.238.237; 5.U.238.238; 5.U.238.239; 5.U.238.154;
5.U.238.157; 5.U.238.166; 5.U.238.169; 5.U.238.172; 5.U.238.175;
10 5.U.238.240; 5.U.238.244; 5.U.239.228; 5.U.239.229; 5.U.239.230;
5.U.239.231; 5.U.239.236; 5.U.239.237; 5.U.239.238; 5.U.239.239;
5.U.239.154; 5.U.239.157; 5.U.239.166; 5.U.239.169; 5.U.239.172;
5.U.239.175; 5.U.239.240; 5.U.239.244; 5.U.154.228; 5.U.154.229;
5.U.154.230; 5.U.154.231; 5.U.154.236; 5.U.154.237; 5.U.154.238;
15 5.U.154.239; 5.U.154.154; 5.U.154.157; 5.U.154.166; 5.U.154.169;
5.U.154.172; 5.U.154.175; 5.U.154.240; 5.U.154.244; 5.U.157.228;
5.U.157.229; 5.U.157.230; 5.U.157.231; 5.U.157.236; 5.U.157.237;
5.U.157.238; 5.U.157.239; 5.U.157.154; 5.U.157.157; 5.U.157.166;
5.U.157.169; 5.U.157.172; 5.U.157.175; 5.U.157.240; 5.U.157.244;
20 5.U.166.228; 5.U.166.229; 5.U.166.230; 5.U.166.231; 5.U.166.236;
5.U.166.237; 5.U.166.238; 5.U.166.239; 5.U.166.154; 5.U.166.157;
5.U.166.166; 5.U.166.169; 5.U.166.172; 5.U.166.175; 5.U.166.240;
5.U.166.244; 5.U.169.228; 5.U.169.229; 5.U.169.230; 5.U.169.231;
5.U.169.236; 5.U.169.237; 5.U.169.238; 5.U.169.239; 5.U.169.154;
25 5.U.169.157; 5.U.169.166; 5.U.169.169; 5.U.169.172; 5.U.169.175;
5.U.169.240; 5.U.169.244; 5.U.172.228; 5.U.172.229; 5.U.172.230;
5.U.172.231; 5.U.172.236; 5.U.172.237; 5.U.172.238; 5.U.172.239;
5.U.172.154; 5.U.172.157; 5.U.172.166; 5.U.172.169; 5.U.172.172;
5.U.172.175; 5.U.172.240; 5.U.172.244; 5.U.175.228; 5.U.175.229;
30 5.U.175.230; 5.U.175.231; 5.U.175.236; 5.U.175.237; 5.U.175.238;
5.U.175.239; 5.U.175.154; 5.U.175.157; 5.U.175.166; 5.U.175.169;

5.U.175.172; 5.U.175.175; 5.U.175.240; 5.U.175.244; 5.U.240.228;
5.U.240.229; 5.U.240.230; 5.U.240.231; 5.U.240.236; 5.U.240.237;
5.U.240.238; 5.U.240.239; 5.U.240.154; 5.U.240.157; 5.U.240.166;
5.U.240.169; 5.U.240.172; 5.U.240.175; 5.U.240.240; 5.U.240.244;
5 5.U.244.228; 5.U.244.229; 5.U.244.230; 5.U.244.231; 5.U.244.236;
5.U.244.237; 5.U.244.238; 5.U.244.239; 5.U.244.154; 5.U.244.157;
5.U.244.166; 5.U.244.169; 5.U.244.172; 5.U.244.175; 5.U.244.240;
5.U.244.244;

10 Prodrugs of 5.W

5.W.228.228; 5.W.228.229; 5.W.228.230; 5.W.228.231; 5.W.228.236;
5.W.228.237; 5.W.228.238; 5.W.228.239; 5.W.228.154; 5.W.228.157;
5.W.228.166; 5.W.228.169; 5.W.228.172; 5.W.228.175; 5.W.228.240;
5.W.228.244; 5.W.229.228; 5.W.229.229; 5.W.229.230; 5.W.229.231;
15 5.W.229.236; 5.W.229.237; 5.W.229.238; 5.W.229.239; 5.W.229.154;
5.W.229.157; 5.W.229.166; 5.W.229.169; 5.W.229.172; 5.W.229.175;
5.W.229.240; 5.W.229.244; 5.W.230.228; 5.W.230.229; 5.W.230.230;
5.W.230.231; 5.W.230.236; 5.W.230.237; 5.W.230.238; 5.W.230.239;
5.W.230.154; 5.W.230.157; 5.W.230.166; 5.W.230.169; 5.W.230.172;
20 5.W.230.175; 5.W.230.240; 5.W.230.244; 5.W.231.228; 5.W.231.229;
5.W.231.230; 5.W.231.231; 5.W.231.236; 5.W.231.237; 5.W.231.238;
5.W.231.239; 5.W.231.154; 5.W.231.157; 5.W.231.166; 5.W.231.169;
5.W.231.172; 5.W.231.175; 5.W.231.240; 5.W.231.244; 5.W.236.228;
5.W.236.229; 5.W.236.230; 5.W.236.231; 5.W.236.236; 5.W.236.237;
25 5.W.236.238; 5.W.236.239; 5.W.236.154; 5.W.236.157; 5.W.236.166;
5.W.236.169; 5.W.236.172; 5.W.236.175; 5.W.236.240; 5.W.236.244;
5.W.237.228; 5.W.237.229; 5.W.237.230; 5.W.237.231; 5.W.237.236;
5.W.237.237; 5.W.237.238; 5.W.237.239; 5.W.237.154; 5.W.237.157;
5.W.237.166; 5.W.237.169; 5.W.237.172; 5.W.237.175; 5.W.237.240;
30 5.W.237.244; 5.W.238.228; 5.W.238.229; 5.W.238.230; 5.W.238.231;
5.W.238.236; 5.W.238.237; 5.W.238.238; 5.W.238.239; 5.W.238.154;

5.W.238.157; 5.W.238.166; 5.W.238.169; 5.W.238.172; 5.W.238.175;
5.W.238.240; 5.W.238.244; 5.W.239.228; 5.W.239.229; 5.W.239.230;
5.W.239.231; 5.W.239.236; 5.W.239.237; 5.W.239.238; 5.W.239.239;
5.W.239.154; 5.W.239.157; 5.W.239.166; 5.W.239.169; 5.W.239.172;
5 5.W.239.175; 5.W.239.240; 5.W.239.244; 5.W.154.228; 5.W.154.229;
5.W.154.230; 5.W.154.231; 5.W.154.236; 5.W.154.237; 5.W.154.238;
5.W.154.239; 5.W.154.154; 5.W.154.157; 5.W.154.166; 5.W.154.169;
5.W.154.172; 5.W.154.175; 5.W.154.240; 5.W.154.244; 5.W.157.228;
5.W.157.229; 5.W.157.230; 5.W.157.231; 5.W.157.236; 5.W.157.237;
10 5.W.157.238; 5.W.157.239; 5.W.157.154; 5.W.157.157; 5.W.157.166;
5.W.157.169; 5.W.157.172; 5.W.157.175; 5.W.157.240; 5.W.157.244;
5.W.166.228; 5.W.166.229; 5.W.166.230; 5.W.166.231; 5.W.166.236;
5.W.166.237; 5.W.166.238; 5.W.166.239; 5.W.166.154; 5.W.166.157;
5.W.166.166; 5.W.166.169; 5.W.166.172; 5.W.166.175; 5.W.166.240;
15 5.W.166.244; 5.W.169.228; 5.W.169.229; 5.W.169.230; 5.W.169.231;
5.W.169.236; 5.W.169.237; 5.W.169.238; 5.W.169.239; 5.W.169.154;
5.W.169.157; 5.W.169.166; 5.W.169.169; 5.W.169.172; 5.W.169.175;
5.W.169.240; 5.W.169.244; 5.W.172.228; 5.W.172.229; 5.W.172.230;
5.W.172.231; 5.W.172.236; 5.W.172.237; 5.W.172.238; 5.W.172.239;
20 5.W.172.154; 5.W.172.157; 5.W.172.166; 5.W.172.169; 5.W.172.172;
5.W.172.175; 5.W.172.240; 5.W.172.244; 5.W.175.228; 5.W.175.229;
5.W.175.230; 5.W.175.231; 5.W.175.236; 5.W.175.237; 5.W.175.238;
5.W.175.239; 5.W.175.154; 5.W.175.157; 5.W.175.166; 5.W.175.169;
5.W.175.172; 5.W.175.175; 5.W.175.240; 5.W.175.244; 5.W.240.228;
25 5.W.240.229; 5.W.240.230; 5.W.240.231; 5.W.240.236; 5.W.240.237;
5.W.240.238; 5.W.240.239; 5.W.240.154; 5.W.240.157; 5.W.240.166;
5.W.240.169; 5.W.240.172; 5.W.240.175; 5.W.240.240; 5.W.240.244;
5.W.244.228; 5.W.244.229; 5.W.244.230; 5.W.244.231; 5.W.244.236;
5.W.244.237; 5.W.244.238; 5.W.244.239; 5.W.244.154; 5.W.244.157;
30 5.W.244.166; 5.W.244.169; 5.W.244.172; 5.W.244.175; 5.W.244.240;
5.W.244.244;

Prodrugs of 5.Y

- 5.Y.228.228; 5.Y.228.229; 5.Y.228.230; 5.Y.228.231; 5.Y.228.236;
5.Y.228.237; 5.Y.228.238; 5.Y.228.239; 5.Y.228.154; 5.Y.228.157; 5.Y.228.166;
5 5.Y.228.169; 5.Y.228.172; 5.Y.228.175; 5.Y.228.240; 5.Y.228.244; 5.Y.229.228;
5.Y.229.229; 5.Y.229.230; 5.Y.229.231; 5.Y.229.236; 5.Y.229.237; 5.Y.229.238;
5.Y.229.239; 5.Y.229.154; 5.Y.229.157; 5.Y.229.166; 5.Y.229.169; 5.Y.229.172;
5.Y.229.175; 5.Y.229.240; 5.Y.229.244; 5.Y.230.228; 5.Y.230.229; 5.Y.230.230;
5.Y.230.231; 5.Y.230.236; 5.Y.230.237; 5.Y.230.238; 5.Y.230.239; 5.Y.230.154;
10 5.Y.230.157; 5.Y.230.166; 5.Y.230.169; 5.Y.230.172; 5.Y.230.175; 5.Y.230.240;
5.Y.230.244; 5.Y.231.228; 5.Y.231.229; 5.Y.231.230; 5.Y.231.231; 5.Y.231.236;
5.Y.231.237; 5.Y.231.238; 5.Y.231.239; 5.Y.231.154; 5.Y.231.157; 5.Y.231.166;
5.Y.231.169; 5.Y.231.172; 5.Y.231.175; 5.Y.231.240; 5.Y.231.244; 5.Y.236.228;
5.Y.236.229; 5.Y.236.230; 5.Y.236.231; 5.Y.236.236; 5.Y.236.237; 5.Y.236.238;
15 5.Y.236.239; 5.Y.236.154; 5.Y.236.157; 5.Y.236.166; 5.Y.236.169; 5.Y.236.172;
5.Y.236.175; 5.Y.236.240; 5.Y.236.244; 5.Y.237.228; 5.Y.237.229; 5.Y.237.230;
5.Y.237.231; 5.Y.237.236; 5.Y.237.237; 5.Y.237.238; 5.Y.237.239; 5.Y.237.154;
5.Y.237.157; 5.Y.237.166; 5.Y.237.169; 5.Y.237.172; 5.Y.237.175; 5.Y.237.240;
5.Y.237.244; 5.Y.238.228; 5.Y.238.229; 5.Y.238.230; 5.Y.238.231; 5.Y.238.236;
20 5.Y.238.237; 5.Y.238.238; 5.Y.238.239; 5.Y.238.154; 5.Y.238.157; 5.Y.238.166;
5.Y.238.169; 5.Y.238.172; 5.Y.238.175; 5.Y.238.240; 5.Y.238.244; 5.Y.239.228;
5.Y.239.229; 5.Y.239.230; 5.Y.239.231; 5.Y.239.236; 5.Y.239.237; 5.Y.239.238;
5.Y.239.239; 5.Y.239.154; 5.Y.239.157; 5.Y.239.166; 5.Y.239.169; 5.Y.239.172;
5.Y.239.175; 5.Y.239.240; 5.Y.239.244; 5.Y.154.228; 5.Y.154.229; 5.Y.154.230;
25 5.Y.154.231; 5.Y.154.236; 5.Y.154.237; 5.Y.154.238; 5.Y.154.239; 5.Y.154.154;
5.Y.154.157; 5.Y.154.166; 5.Y.154.169; 5.Y.154.172; 5.Y.154.175; 5.Y.154.240;
5.Y.154.244; 5.Y.157.228; 5.Y.157.229; 5.Y.157.230; 5.Y.157.231; 5.Y.157.236;
5.Y.157.237; 5.Y.157.238; 5.Y.157.239; 5.Y.157.154; 5.Y.157.157; 5.Y.157.166;
5.Y.157.169; 5.Y.157.172; 5.Y.157.175; 5.Y.157.240; 5.Y.157.244; 5.Y.166.228;
30 5.Y.166.229; 5.Y.166.230; 5.Y.166.231; 5.Y.166.236; 5.Y.166.237; 5.Y.166.238;
5.Y.166.239; 5.Y.166.154; 5.Y.166.157; 5.Y.166.166; 5.Y.166.169; 5.Y.166.172;

5.Y.166.175; 5.Y.166.240; 5.Y.166.244; 5.Y.169.228; 5.Y.169.229; 5.Y.169.230;
5.Y.169.231; 5.Y.169.236; 5.Y.169.237; 5.Y.169.238; 5.Y.169.239; 5.Y.169.154;
5.Y.169.157; 5.Y.169.166; 5.Y.169.169; 5.Y.169.172; 5.Y.169.175; 5.Y.169.240;
5.Y.169.244; 5.Y.172.228; 5.Y.172.229; 5.Y.172.230; 5.Y.172.231; 5.Y.172.236;
5 5.Y.172.237; 5.Y.172.238; 5.Y.172.239; 5.Y.172.154; 5.Y.172.157; 5.Y.172.166;
5.Y.172.169; 5.Y.172.172; 5.Y.172.175; 5.Y.172.240; 5.Y.172.244; 5.Y.175.228;
5.Y.175.229; 5.Y.175.230; 5.Y.175.231; 5.Y.175.236; 5.Y.175.237; 5.Y.175.238;
5.Y.175.239; 5.Y.175.154; 5.Y.175.157; 5.Y.175.166; 5.Y.175.169; 5.Y.175.172;
5.Y.175.175; 5.Y.175.240; 5.Y.175.244; 5.Y.240.228; 5.Y.240.229; 5.Y.240.230;
10 5.Y.240.231; 5.Y.240.236; 5.Y.240.237; 5.Y.240.238; 5.Y.240.239; 5.Y.240.154;
5.Y.240.157; 5.Y.240.166; 5.Y.240.169; 5.Y.240.172; 5.Y.240.175; 5.Y.240.240;
5.Y.240.244; 5.Y.244.228; 5.Y.244.229; 5.Y.244.230; 5.Y.244.231; 5.Y.244.236;
5.Y.244.237; 5.Y.244.238; 5.Y.244.239; 5.Y.244.154; 5.Y.244.157; 5.Y.244.166;
5.Y.244.169; 5.Y.244.172; 5.Y.244.175; 5.Y.244.240; 5.Y.244.244;

15

Prodrugs of 6.B

6.B.228.228; 6.B.228.229; 6.B.228.230; 6.B.228.231; 6.B.228.236;
6.B.228.237; 6.B.228.238; 6.B.228.239; 6.B.228.154; 6.B.228.157; 6.B.228.166;
6.B.228.169; 6.B.228.172; 6.B.228.175; 6.B.228.240; 6.B.228.244; 6.B.229.228;
20 6.B.229.229; 6.B.229.230; 6.B.229.231; 6.B.229.236; 6.B.229.237; 6.B.229.238;
6.B.229.239; 6.B.229.154; 6.B.229.157; 6.B.229.166; 6.B.229.169; 6.B.229.172;
6.B.229.175; 6.B.229.240; 6.B.229.244; 6.B.230.228; 6.B.230.229; 6.B.230.230;
6.B.230.231; 6.B.230.236; 6.B.230.237; 6.B.230.238; 6.B.230.239; 6.B.230.154;
6.B.230.157; 6.B.230.166; 6.B.230.169; 6.B.230.172; 6.B.230.175; 6.B.230.240;
25 6.B.230.244; 6.B.231.228; 6.B.231.229; 6.B.231.230; 6.B.231.231; 6.B.231.236;
6.B.231.237; 6.B.231.238; 6.B.231.239; 6.B.231.154; 6.B.231.157; 6.B.231.166;
6.B.231.169; 6.B.231.172; 6.B.231.175; 6.B.231.240; 6.B.231.244; 6.B.236.228;
6.B.236.229; 6.B.236.230; 6.B.236.231; 6.B.236.236; 6.B.236.237; 6.B.236.238;
6.B.236.239; 6.B.236.154; 6.B.236.157; 6.B.236.166; 6.B.236.169; 6.B.236.172;
30 6.B.236.175; 6.B.236.240; 6.B.236.244; 6.B.237.228; 6.B.237.229; 6.B.237.230;
6.B.237.231; 6.B.237.236; 6.B.237.237; 6.B.237.238; 6.B.237.239; 6.B.237.154;

6.B.237.157; 6.B.237.166; 6.B.237.169; 6.B.237.172; 6.B.237.175; 6.B.237.240;
6.B.237.244; 6.B.238.228; 6.B.238.229; 6.B.238.230; 6.B.238.231; 6.B.238.236;
6.B.238.237; 6.B.238.238; 6.B.238.239; 6.B.238.154; 6.B.238.157; 6.B.238.166;
6.B.238.169; 6.B.238.172; 6.B.238.175; 6.B.238.240; 6.B.238.244; 6.B.239.228;
5 6.B.239.229; 6.B.239.230; 6.B.239.231; 6.B.239.236; 6.B.239.237; 6.B.239.238;
6.B.239.239; 6.B.239.154; 6.B.239.157; 6.B.239.166; 6.B.239.169; 6.B.239.172;
6.B.239.175; 6.B.239.240; 6.B.239.244; 6.B.154.228; 6.B.154.229; 6.B.154.230;
6.B.154.231; 6.B.154.236; 6.B.154.237; 6.B.154.238; 6.B.154.239; 6.B.154.154;
6.B.154.157; 6.B.154.166; 6.B.154.169; 6.B.154.172; 6.B.154.175; 6.B.154.240;
10 6.B.154.244; 6.B.157.228; 6.B.157.229; 6.B.157.230; 6.B.157.231; 6.B.157.236;
6.B.157.237; 6.B.157.238; 6.B.157.239; 6.B.157.154; 6.B.157.157; 6.B.157.166;
6.B.157.169; 6.B.157.172; 6.B.157.175; 6.B.157.240; 6.B.157.244; 6.B.166.228;
6.B.166.229; 6.B.166.230; 6.B.166.231; 6.B.166.236; 6.B.166.237; 6.B.166.238;
6.B.166.239; 6.B.166.154; 6.B.166.157; 6.B.166.166; 6.B.166.169; 6.B.166.172;
15 6.B.166.175; 6.B.166.240; 6.B.166.244; 6.B.169.228; 6.B.169.229; 6.B.169.230;
6.B.169.231; 6.B.169.236; 6.B.169.237; 6.B.169.238; 6.B.169.239; 6.B.169.154;
6.B.169.157; 6.B.169.166; 6.B.169.169; 6.B.169.172; 6.B.169.175; 6.B.169.240;
6.B.169.244; 6.B.172.228; 6.B.172.229; 6.B.172.230; 6.B.172.231; 6.B.172.236;
6.B.172.237; 6.B.172.238; 6.B.172.239; 6.B.172.154; 6.B.172.157; 6.B.172.166;
20 6.B.172.169; 6.B.172.172; 6.B.172.175; 6.B.172.240; 6.B.172.244; 6.B.175.228;
6.B.175.229; 6.B.175.230; 6.B.175.231; 6.B.175.236; 6.B.175.237; 6.B.175.238;
6.B.175.239; 6.B.175.154; 6.B.175.157; 6.B.175.166; 6.B.175.169; 6.B.175.172;
6.B.175.175; 6.B.175.240; 6.B.175.244; 6.B.240.228; 6.B.240.229; 6.B.240.230;
6.B.240.231; 6.B.240.236; 6.B.240.237; 6.B.240.238; 6.B.240.239; 6.B.240.154;
25 6.B.240.157; 6.B.240.166; 6.B.240.169; 6.B.240.172; 6.B.240.175; 6.B.240.240;
6.B.240.244; 6.B.244.228; 6.B.244.229; 6.B.244.230; 6.B.244.231; 6.B.244.236;
6.B.244.237; 6.B.244.238; 6.B.244.239; 6.B.244.154; 6.B.244.157; 6.B.244.166;
6.B.244.169; 6.B.244.172; 6.B.244.175; 6.B.244.240; 6.B.244.244;

30 Prodrugs of 6.D

6.D.228.228; 6.D.228.229; 6.D.228.230; 6.D.228.231; 6.D.228.236;
6.D.228.237; 6.D.228.238; 6.D.228.239; 6.D.228.154; 6.D.228.157;
6.D.228.166; 6.D.228.169; 6.D.228.172; 6.D.228.175; 6.D.228.240;
6.D.228.244; 6.D.229.228; 6.D.229.229; 6.D.229.230; 6.D.229.231;
5 6.D.229.236; 6.D.229.237; 6.D.229.238; 6.D.229.239; 6.D.229.154;
6.D.229.157; 6.D.229.166; 6.D.229.169; 6.D.229.172; 6.D.229.175;
6.D.229.240; 6.D.229.244; 6.D.230.228; 6.D.230.229; 6.D.230.230;
6.D.230.231; 6.D.230.236; 6.D.230.237; 6.D.230.238; 6.D.230.239;
6.D.230.154; 6.D.230.157; 6.D.230.166; 6.D.230.169; 6.D.230.172;
10 6.D.230.175; 6.D.230.240; 6.D.230.244; 6.D.231.228; 6.D.231.229;
6.D.231.230; 6.D.231.231; 6.D.231.236; 6.D.231.237; 6.D.231.238;
6.D.231.239; 6.D.231.154; 6.D.231.157; 6.D.231.166; 6.D.231.169;
6.D.231.172; 6.D.231.175; 6.D.231.240; 6.D.231.244; 6.D.236.228;
6.D.236.229; 6.D.236.230; 6.D.236.231; 6.D.236.236; 6.D.236.237;
15 6.D.236.238; 6.D.236.239; 6.D.236.154; 6.D.236.157; 6.D.236.166;
6.D.236.169; 6.D.236.172; 6.D.236.175; 6.D.236.240; 6.D.236.244;
6.D.237.228; 6.D.237.229; 6.D.237.230; 6.D.237.231; 6.D.237.236;
6.D.237.237; 6.D.237.238; 6.D.237.239; 6.D.237.154; 6.D.237.157;
6.D.237.166; 6.D.237.169; 6.D.237.172; 6.D.237.175; 6.D.237.240;
20 6.D.237.244; 6.D.238.228; 6.D.238.229; 6.D.238.230; 6.D.238.231;
6.D.238.236; 6.D.238.237; 6.D.238.238; 6.D.238.239; 6.D.238.154;
6.D.238.157; 6.D.238.166; 6.D.238.169; 6.D.238.172; 6.D.238.175;
6.D.238.240; 6.D.238.244; 6.D.239.228; 6.D.239.229; 6.D.239.230;
6.D.239.231; 6.D.239.236; 6.D.239.237; 6.D.239.238; 6.D.239.239;
25 6.D.239.154; 6.D.239.157; 6.D.239.166; 6.D.239.169; 6.D.239.172;
6.D.239.175; 6.D.239.240; 6.D.239.244; 6.D.154.228; 6.D.154.229;
6.D.154.230; 6.D.154.231; 6.D.154.236; 6.D.154.237; 6.D.154.238;
6.D.154.239; 6.D.154.154; 6.D.154.157; 6.D.154.166; 6.D.154.169;
6.D.154.172; 6.D.154.175; 6.D.154.240; 6.D.154.244; 6.D.157.228;
30 6.D.157.229; 6.D.157.230; 6.D.157.231; 6.D.157.236; 6.D.157.237;
6.D.157.238; 6.D.157.239; 6.D.157.154; 6.D.157.157; 6.D.157.166;

6.D.157.169; 6.D.157.172; 6.D.157.175; 6.D.157.240; 6.D.157.244;
6.D.166.228; 6.D.166.229; 6.D.166.230; 6.D.166.231; 6.D.166.236;
6.D.166.237; 6.D.166.238; 6.D.166.239; 6.D.166.154; 6.D.166.157;
6.D.166.166; 6.D.166.169; 6.D.166.172; 6.D.166.175; 6.D.166.240;
5 6.D.166.244; 6.D.169.228; 6.D.169.229; 6.D.169.230; 6.D.169.231;
6.D.169.236; 6.D.169.237; 6.D.169.238; 6.D.169.239; 6.D.169.154;
6.D.169.157; 6.D.169.166; 6.D.169.169; 6.D.169.172; 6.D.169.175;
6.D.169.240; 6.D.169.244; 6.D.172.228; 6.D.172.229; 6.D.172.230;
6.D.172.231; 6.D.172.236; 6.D.172.237; 6.D.172.238; 6.D.172.239;
10 6.D.172.154; 6.D.172.157; 6.D.172.166; 6.D.172.169; 6.D.172.172;
6.D.172.175; 6.D.172.240; 6.D.172.244; 6.D.175.228; 6.D.175.229;
6.D.175.230; 6.D.175.231; 6.D.175.236; 6.D.175.237; 6.D.175.238;
6.D.175.239; 6.D.175.154; 6.D.175.157; 6.D.175.166; 6.D.175.169;
6.D.175.172; 6.D.175.175; 6.D.175.240; 6.D.175.244; 6.D.240.228;
15 6.D.240.229; 6.D.240.230; 6.D.240.231; 6.D.240.236; 6.D.240.237;
6.D.240.238; 6.D.240.239; 6.D.240.154; 6.D.240.157; 6.D.240.166;
6.D.240.169; 6.D.240.172; 6.D.240.175; 6.D.240.240; 6.D.240.244;
6.D.244.228; 6.D.244.229; 6.D.244.230; 6.D.244.231; 6.D.244.236;
6.D.244.237; 6.D.244.238; 6.D.244.239; 6.D.244.154; 6.D.244.157;
20 6.D.244.166; 6.D.244.169; 6.D.244.172; 6.D.244.175; 6.D.244.240;
6.D.244.244;

Prodrugs of 6.E

6.E.228.228; 6.E.228.229; 6.E.228.230; 6.E.228.231; 6.E.228.236;
25 6.E.228.237; 6.E.228.238; 6.E.228.239; 6.E.228.154; 6.E.228.157; 6.E.228.166;
6.E.228.169; 6.E.228.172; 6.E.228.175; 6.E.228.240; 6.E.228.244; 6.E.229.228;
6.E.229.229; 6.E.229.230; 6.E.229.231; 6.E.229.236; 6.E.229.237; 6.E.229.238;
6.E.229.239; 6.E.229.154; 6.E.229.157; 6.E.229.166; 6.E.229.169; 6.E.229.172;
6.E.229.175; 6.E.229.240; 6.E.229.244; 6.E.230.228; 6.E.230.229; 6.E.230.230;
30 6.E.230.231; 6.E.230.236; 6.E.230.237; 6.E.230.238; 6.E.230.239; 6.E.230.154;
6.E.230.157; 6.E.230.166; 6.E.230.169; 6.E.230.172; 6.E.230.175; 6.E.230.240;

6.E.230.244; 6.E.231.228; 6.E.231.229; 6.E.231.230; 6.E.231.231; 6.E.231.236;
6.E.231.237; 6.E.231.238; 6.E.231.239; 6.E.231.154; 6.E.231.157; 6.E.231.166;
6.E.231.169; 6.E.231.172; 6.E.231.175; 6.E.231.240; 6.E.231.244; 6.E.236.228;
6.E.236.229; 6.E.236.230; 6.E.236.231; 6.E.236.236; 6.E.236.237; 6.E.236.238;
5 6.E.236.239; 6.E.236.154; 6.E.236.157; 6.E.236.166; 6.E.236.169; 6.E.236.172;
6.E.236.175; 6.E.236.240; 6.E.236.244; 6.E.237.228; 6.E.237.229; 6.E.237.230;
6.E.237.231; 6.E.237.236; 6.E.237.237; 6.E.237.238; 6.E.237.239; 6.E.237.154;
6.E.237.157; 6.E.237.166; 6.E.237.169; 6.E.237.172; 6.E.237.175; 6.E.237.240;
6.E.237.244; 6.E.238.228; 6.E.238.229; 6.E.238.230; 6.E.238.231; 6.E.238.236;
10 6.E.238.237; 6.E.238.238; 6.E.238.239; 6.E.238.154; 6.E.238.157; 6.E.238.166;
6.E.238.169; 6.E.238.172; 6.E.238.175; 6.E.238.240; 6.E.238.244; 6.E.239.228;
6.E.239.229; 6.E.239.230; 6.E.239.231; 6.E.239.236; 6.E.239.237; 6.E.239.238;
6.E.239.239; 6.E.239.154; 6.E.239.157; 6.E.239.166; 6.E.239.169; 6.E.239.172;
6.E.239.175; 6.E.239.240; 6.E.239.244; 6.E.154.228; 6.E.154.229; 6.E.154.230;
15 6.E.154.231; 6.E.154.236; 6.E.154.237; 6.E.154.238; 6.E.154.239; 6.E.154.154;
6.E.154.157; 6.E.154.166; 6.E.154.169; 6.E.154.172; 6.E.154.175; 6.E.154.240;
6.E.154.244; 6.E.157.228; 6.E.157.229; 6.E.157.230; 6.E.157.231; 6.E.157.236;
6.E.157.237; 6.E.157.238; 6.E.157.239; 6.E.157.154; 6.E.157.157; 6.E.157.166;
6.E.157.169; 6.E.157.172; 6.E.157.175; 6.E.157.240; 6.E.157.244; 6.E.166.228;
20 6.E.166.229; 6.E.166.230; 6.E.166.231; 6.E.166.236; 6.E.166.237; 6.E.166.238;
6.E.166.239; 6.E.166.154; 6.E.166.157; 6.E.166.166; 6.E.166.169; 6.E.166.172;
6.E.166.175; 6.E.166.240; 6.E.166.244; 6.E.169.228; 6.E.169.229; 6.E.169.230;
6.E.169.231; 6.E.169.236; 6.E.169.237; 6.E.169.238; 6.E.169.239; 6.E.169.154;
6.E.169.157; 6.E.169.166; 6.E.169.169; 6.E.169.172; 6.E.169.175; 6.E.169.240;
25 6.E.169.244; 6.E.172.228; 6.E.172.229; 6.E.172.230; 6.E.172.231; 6.E.172.236;
6.E.172.237; 6.E.172.238; 6.E.172.239; 6.E.172.154; 6.E.172.157; 6.E.172.166;
6.E.172.169; 6.E.172.172; 6.E.172.175; 6.E.172.240; 6.E.172.244; 6.E.175.228;
6.E.175.229; 6.E.175.230; 6.E.175.231; 6.E.175.236; 6.E.175.237; 6.E.175.238;
6.E.175.239; 6.E.175.154; 6.E.175.157; 6.E.175.166; 6.E.175.169; 6.E.175.172;
30 6.E.175.175; 6.E.175.240; 6.E.175.244; 6.E.240.228; 6.E.240.229; 6.E.240.230;
6.E.240.231; 6.E.240.236; 6.E.240.237; 6.E.240.238; 6.E.240.239; 6.E.240.154;

6.E.240.157; 6.E.240.166; 6.E.240.169; 6.E.240.172; 6.E.240.175; 6.E.240.240;
6.E.240.244; 6.E.244.228; 6.E.244.229; 6.E.244.230; 6.E.244.231; 6.E.244.236;
6.E.244.237; 6.E.244.238; 6.E.244.239; 6.E.244.154; 6.E.244.157; 6.E.244.166;
6.E.244.169; 6.E.244.172; 6.E.244.175; 6.E.244.240; 6.E.244.244;

5

Prodrugs of 6.G

6.G.228.228; 6.G.228.229; 6.G.228.230; 6.G.228.231; 6.G.228.236;
6.G.228.237; 6.G.228.238; 6.G.228.239; 6.G.228.154; 6.G.228.157;
6.G.228.166; 6.G.228.169; 6.G.228.172; 6.G.228.175; 6.G.228.240;
10 6.G.228.244; 6.G.229.228; 6.G.229.229; 6.G.229.230; 6.G.229.231;
6.G.229.236; 6.G.229.237; 6.G.229.238; 6.G.229.239; 6.G.229.154;
6.G.229.157; 6.G.229.166; 6.G.229.169; 6.G.229.172; 6.G.229.175;
6.G.229.240; 6.G.229.244; 6.G.230.228; 6.G.230.229; 6.G.230.230;
6.G.230.231; 6.G.230.236; 6.G.230.237; 6.G.230.238; 6.G.230.239;
15 6.G.230.154; 6.G.230.157; 6.G.230.166; 6.G.230.169; 6.G.230.172;
6.G.230.175; 6.G.230.240; 6.G.230.244; 6.G.231.228; 6.G.231.229;
6.G.231.230; 6.G.231.231; 6.G.231.236; 6.G.231.237; 6.G.231.238;
6.G.231.239; 6.G.231.154; 6.G.231.157; 6.G.231.166; 6.G.231.169;
6.G.231.172; 6.G.231.175; 6.G.231.240; 6.G.231.244; 6.G.236.228;
20 6.G.236.229; 6.G.236.230; 6.G.236.231; 6.G.236.236; 6.G.236.237;
6.G.236.238; 6.G.236.239; 6.G.236.154; 6.G.236.157; 6.G.236.166;
6.G.236.169; 6.G.236.172; 6.G.236.175; 6.G.236.240; 6.G.236.244;
6.G.237.228; 6.G.237.229; 6.G.237.230; 6.G.237.231; 6.G.237.236;
6.G.237.237; 6.G.237.238; 6.G.237.239; 6.G.237.154; 6.G.237.157;
25 6.G.237.166; 6.G.237.169; 6.G.237.172; 6.G.237.175; 6.G.237.240;
6.G.237.244; 6.G.238.228; 6.G.238.229; 6.G.238.230; 6.G.238.231;
6.G.238.236; 6.G.238.237; 6.G.238.238; 6.G.238.239; 6.G.238.154;
6.G.238.157; 6.G.238.166; 6.G.238.169; 6.G.238.172; 6.G.238.175;
6.G.238.240; 6.G.238.244; 6.G.239.228; 6.G.239.229; 6.G.239.230;
30 6.G.239.231; 6.G.239.236; 6.G.239.237; 6.G.239.238; 6.G.239.239;
6.G.239.154; 6.G.239.157; 6.G.239.166; 6.G.239.169; 6.G.239.172;

- 6.G.239.175; 6.G.239.240; 6.G.239.244; 6.G.154.228; 6.G.154.229;
6.G.154.230; 6.G.154.231; 6.G.154.236; 6.G.154.237; 6.G.154.238;
6.G.154.239; 6.G.154.154; 6.G.154.157; 6.G.154.166; 6.G.154.169;
6.G.154.172; 6.G.154.175; 6.G.154.240; 6.G.154.244; 6.G.157.228;
5 6.G.157.229; 6.G.157.230; 6.G.157.231; 6.G.157.236; 6.G.157.237;
6.G.157.238; 6.G.157.239; 6.G.157.154; 6.G.157.157; 6.G.157.166;
6.G.157.169; 6.G.157.172; 6.G.157.175; 6.G.157.240; 6.G.157.244;
6.G.166.228; 6.G.166.229; 6.G.166.230; 6.G.166.231; 6.G.166.236;
6.G.166.237; 6.G.166.238; 6.G.166.239; 6.G.166.154; 6.G.166.157;
10 6.G.166.166; 6.G.166.169; 6.G.166.172; 6.G.166.175; 6.G.166.240;
6.G.166.244; 6.G.169.228; 6.G.169.229; 6.G.169.230; 6.G.169.231;
6.G.169.236; 6.G.169.237; 6.G.169.238; 6.G.169.239; 6.G.169.154;
6.G.169.157; 6.G.169.166; 6.G.169.169; 6.G.169.172; 6.G.169.175;
6.G.169.240; 6.G.169.244; 6.G.172.228; 6.G.172.229; 6.G.172.230;
15 6.G.172.231; 6.G.172.236; 6.G.172.237; 6.G.172.238; 6.G.172.239;
6.G.172.154; 6.G.172.157; 6.G.172.166; 6.G.172.169; 6.G.172.172;
6.G.172.175; 6.G.172.240; 6.G.172.244; 6.G.175.228; 6.G.175.229;
6.G.175.230; 6.G.175.231; 6.G.175.236; 6.G.175.237; 6.G.175.238;
6.G.175.239; 6.G.175.154; 6.G.175.157; 6.G.175.166; 6.G.175.169;
20 6.G.175.172; 6.G.175.175; 6.G.175.240; 6.G.175.244; 6.G.240.228;
6.G.240.229; 6.G.240.230; 6.G.240.231; 6.G.240.236; 6.G.240.237;
6.G.240.238; 6.G.240.239; 6.G.240.154; 6.G.240.157; 6.G.240.166;
6.G.240.169; 6.G.240.172; 6.G.240.175; 6.G.240.240; 6.G.240.244;
6.G.244.228; 6.G.244.229; 6.G.244.230; 6.G.244.231; 6.G.244.236;
25 6.G.244.237; 6.G.244.238; 6.G.244.239; 6.G.244.154; 6.G.244.157;
6.G.244.166; 6.G.244.169; 6.G.244.172; 6.G.244.175; 6.G.244.240;
6.G.244.244;

Prodrugs of 6.I

- 30 6.I.228.228; 6.I.228.229; 6.I.228.230; 6.I.228.231; 6.I.228.236; 6.I.228.237;
6.I.228.238; 6.I.228.239; 6.I.228.154; 6.I.228.157; 6.I.228.166; 6.I.228.169;

6.I.228.172; 6.I.228.175; 6.I.228.240; 6.I.228.244; 6.I.229.228; 6.I.229.229;
6.I.229.230; 6.I.229.231; 6.I.229.236; 6.I.229.237; 6.I.229.238; 6.I.229.239;
6.I.229.154; 6.I.229.157; 6.I.229.166; 6.I.229.169; 6.I.229.172; 6.I.229.175;
6.I.229.240; 6.I.229.244; 6.I.230.228; 6.I.230.229; 6.I.230.230; 6.I.230.231;
5 6.I.230.236; 6.I.230.237; 6.I.230.238; 6.I.230.239; 6.I.230.154; 6.I.230.157;
6.I.230.166; 6.I.230.169; 6.I.230.172; 6.I.230.175; 6.I.230.240; 6.I.230.244;
6.I.231.228; 6.I.231.229; 6.I.231.230; 6.I.231.231; 6.I.231.236; 6.I.231.237;
6.I.231.238; 6.I.231.239; 6.I.231.154; 6.I.231.157; 6.I.231.166; 6.I.231.169;
6.I.231.172; 6.I.231.175; 6.I.231.240; 6.I.231.244; 6.I.236.228; 6.I.236.229;
10 6.I.236.230; 6.I.236.231; 6.I.236.236; 6.I.236.237; 6.I.236.238; 6.I.236.239;
6.I.236.154; 6.I.236.157; 6.I.236.166; 6.I.236.169; 6.I.236.172; 6.I.236.175;
6.I.236.240; 6.I.236.244; 6.I.237.228; 6.I.237.229; 6.I.237.230; 6.I.237.231;
6.I.237.236; 6.I.237.237; 6.I.237.238; 6.I.237.239; 6.I.237.154; 6.I.237.157;
6.I.237.166; 6.I.237.169; 6.I.237.172; 6.I.237.175; 6.I.237.240; 6.I.237.244;
15 6.I.238.228; 6.I.238.229; 6.I.238.230; 6.I.238.231; 6.I.238.236; 6.I.238.237;
6.I.238.238; 6.I.238.239; 6.I.238.154; 6.I.238.157; 6.I.238.166; 6.I.238.169;
6.I.238.172; 6.I.238.175; 6.I.238.240; 6.I.238.244; 6.I.239.228; 6.I.239.229;
6.I.239.230; 6.I.239.231; 6.I.239.236; 6.I.239.237; 6.I.239.238; 6.I.239.239;
6.I.239.154; 6.I.239.157; 6.I.239.166; 6.I.239.169; 6.I.239.172; 6.I.239.175;
20 6.I.239.240; 6.I.239.244; 6.I.154.228; 6.I.154.229; 6.I.154.230; 6.I.154.231;
6.I.154.236; 6.I.154.237; 6.I.154.238; 6.I.154.239; 6.I.154.154; 6.I.154.157;
6.I.154.166; 6.I.154.169; 6.I.154.172; 6.I.154.175; 6.I.154.240; 6.I.154.244;
6.I.157.228; 6.I.157.229; 6.I.157.230; 6.I.157.231; 6.I.157.236; 6.I.157.237;
6.I.157.238; 6.I.157.239; 6.I.157.154; 6.I.157.157; 6.I.157.166; 6.I.157.169;
25 6.I.157.172; 6.I.157.175; 6.I.157.240; 6.I.157.244; 6.I.166.228; 6.I.166.229;
6.I.166.230; 6.I.166.231; 6.I.166.236; 6.I.166.237; 6.I.166.238; 6.I.166.239;
6.I.166.154; 6.I.166.157; 6.I.166.166; 6.I.166.169; 6.I.166.172; 6.I.166.175;
6.I.166.240; 6.I.166.244; 6.I.169.228; 6.I.169.229; 6.I.169.230; 6.I.169.231;
6.I.169.236; 6.I.169.237; 6.I.169.238; 6.I.169.239; 6.I.169.154; 6.I.169.157;
30 6.I.169.166; 6.I.169.169; 6.I.169.172; 6.I.169.175; 6.I.169.240; 6.I.169.244;
6.I.172.228; 6.I.172.229; 6.I.172.230; 6.I.172.231; 6.I.172.236; 6.I.172.237;

6.I.172.238; 6.I.172.239; 6.I.172.154; 6.I.172.157; 6.I.172.166; 6.I.172.169;
6.I.172.172; 6.I.172.175; 6.I.172.240; 6.I.172.244; 6.I.175.228; 6.I.175.229;
6.I.175.230; 6.I.175.231; 6.I.175.236; 6.I.175.237; 6.I.175.238; 6.I.175.239;
6.I.175.154; 6.I.175.157; 6.I.175.166; 6.I.175.169; 6.I.175.172; 6.I.175.175;
5 6.I.175.240; 6.I.175.244; 6.I.240.228; 6.I.240.229; 6.I.240.230; 6.I.240.231;
6.I.240.236; 6.I.240.237; 6.I.240.238; 6.I.240.239; 6.I.240.154; 6.I.240.157;
6.I.240.166; 6.I.240.169; 6.I.240.172; 6.I.240.175; 6.I.240.240; 6.I.240.244;
6.I.244.228; 6.I.244.229; 6.I.244.230; 6.I.244.231; 6.I.244.236; 6.I.244.237;
6.I.244.238; 6.I.244.239; 6.I.244.154; 6.I.244.157; 6.I.244.166; 6.I.244.169;
10 6.I.244.172; 6.I.244.175; 6.I.244.240; 6.I.244.244;

Prodrugs of 6.I

6.J.228.228; 6.J.228.229; 6.J.228.230; 6.J.228.231; 6.J.228.236; 6.J.228.237;
6.J.228.238; 6.J.228.239; 6.J.228.154; 6.J.228.157; 6.J.228.166; 6.J.228.169;
15 6.J.228.172; 6.J.228.175; 6.J.228.240; 6.J.228.244; 6.J.229.228; 6.J.229.229;
6.J.229.230; 6.J.229.231; 6.J.229.236; 6.J.229.237; 6.J.229.238; 6.J.229.239;
6.J.229.154; 6.J.229.157; 6.J.229.166; 6.J.229.169; 6.J.229.172; 6.J.229.175;
6.J.229.240; 6.J.229.244; 6.J.230.228; 6.J.230.229; 6.J.230.230; 6.J.230.231;
6.J.230.236; 6.J.230.237; 6.J.230.238; 6.J.230.239; 6.J.230.154; 6.J.230.157;
20 6.J.230.166; 6.J.230.169; 6.J.230.172; 6.J.230.175; 6.J.230.240; 6.J.230.244;
6.J.231.228; 6.J.231.229; 6.J.231.230; 6.J.231.231; 6.J.231.236; 6.J.231.237;
6.J.231.238; 6.J.231.239; 6.J.231.154; 6.J.231.157; 6.J.231.166; 6.J.231.169;
6.J.231.172; 6.J.231.175; 6.J.231.240; 6.J.231.244; 6.J.236.228; 6.J.236.229;
6.J.236.230; 6.J.236.231; 6.J.236.236; 6.J.236.237; 6.J.236.238; 6.J.236.239;
25 6.J.236.154; 6.J.236.157; 6.J.236.166; 6.J.236.169; 6.J.236.172; 6.J.236.175;
6.J.236.240; 6.J.236.244; 6.J.237.228; 6.J.237.229; 6.J.237.230; 6.J.237.231;
6.J.237.236; 6.J.237.237; 6.J.237.238; 6.J.237.239; 6.J.237.154; 6.J.237.157;
6.J.237.166; 6.J.237.169; 6.J.237.172; 6.J.237.175; 6.J.237.240; 6.J.237.244;
6.J.238.228; 6.J.238.229; 6.J.238.230; 6.J.238.231; 6.J.238.236; 6.J.238.237;
30 6.J.238.238; 6.J.238.239; 6.J.238.154; 6.J.238.157; 6.J.238.166; 6.J.238.169;
6.J.238.172; 6.J.238.175; 6.J.238.240; 6.J.238.244; 6.J.239.228; 6.J.239.229;

6.J.239.230; 6.J.239.231; 6.J.239.236; 6.J.239.237; 6.J.239.238; 6.J.239.239;
6.J.239.154; 6.J.239.157; 6.J.239.166; 6.J.239.169; 6.J.239.172; 6.J.239.175;
6.J.239.240; 6.J.239.244; 6.J.154.228; 6.J.154.229; 6.J.154.230; 6.J.154.231;
6.J.154.236; 6.J.154.237; 6.J.154.238; 6.J.154.239; 6.J.154.154; 6.J.154.157;
5 6.J.154.166; 6.J.154.169; 6.J.154.172; 6.J.154.175; 6.J.154.240; 6.J.154.244;
6.J.157.228; 6.J.157.229; 6.J.157.230; 6.J.157.231; 6.J.157.236; 6.J.157.237;
6.J.157.238; 6.J.157.239; 6.J.157.154; 6.J.157.157; 6.J.157.166; 6.J.157.169;
6.J.157.172; 6.J.157.175; 6.J.157.240; 6.J.157.244; 6.J.166.228; 6.J.166.229;
6.J.166.230; 6.J.166.231; 6.J.166.236; 6.J.166.237; 6.J.166.238; 6.J.166.239;
10 6.J.166.154; 6.J.166.157; 6.J.166.166; 6.J.166.169; 6.J.166.172; 6.J.166.175;
6.J.166.240; 6.J.166.244; 6.J.169.228; 6.J.169.229; 6.J.169.230; 6.J.169.231;
6.J.169.236; 6.J.169.237; 6.J.169.238; 6.J.169.239; 6.J.169.154; 6.J.169.157;
6.J.169.166; 6.J.169.169; 6.J.169.172; 6.J.169.175; 6.J.169.240; 6.J.169.244;
6.J.172.228; 6.J.172.229; 6.J.172.230; 6.J.172.231; 6.J.172.236; 6.J.172.237;
15 6.J.172.238; 6.J.172.239; 6.J.172.154; 6.J.172.157; 6.J.172.166; 6.J.172.169;
6.J.172.172; 6.J.172.175; 6.J.172.240; 6.J.172.244; 6.J.175.228; 6.J.175.229;
6.J.175.230; 6.J.175.231; 6.J.175.236; 6.J.175.237; 6.J.175.238; 6.J.175.239;
6.J.175.154; 6.J.175.157; 6.J.175.166; 6.J.175.169; 6.J.175.172; 6.J.175.175;
6.J.175.240; 6.J.175.244; 6.J.240.228; 6.J.240.229; 6.J.240.230; 6.J.240.231;
20 6.J.240.236; 6.J.240.237; 6.J.240.238; 6.J.240.239; 6.J.240.154; 6.J.240.157;
6.J.240.166; 6.J.240.169; 6.J.240.172; 6.J.240.175; 6.J.240.240; 6.J.240.244;
6.J.244.228; 6.J.244.229; 6.J.244.230; 6.J.244.231; 6.J.244.236; 6.J.244.237;
6.J.244.238; 6.J.244.239; 6.J.244.154; 6.J.244.157; 6.J.244.166; 6.J.244.169;
6.J.244.172; 6.J.244.175; 6.J.244.240; 6.J.244.244;

25

Prodrugs of 6.L

6.L.228.228; 6.L.228.229; 6.L.228.230; 6.L.228.231; 6.L.228.236;
6.L.228.237; 6.L.228.238; 6.L.228.239; 6.L.228.154; 6.L.228.157; 6.L.228.166;
6.L.228.169; 6.L.228.172; 6.L.228.175; 6.L.228.240; 6.L.228.244; 6.L.229.228;
30 6.L.229.229; 6.L.229.230; 6.L.229.231; 6.L.229.236; 6.L.229.237; 6.L.229.238;
6.L.229.239; 6.L.229.154; 6.L.229.157; 6.L.229.166; 6.L.229.169; 6.L.229.172;

6.L.229.175; 6.L.229.240; 6.L.229.244; 6.L.230.228; 6.L.230.229; 6.L.230.230;
6.L.230.231; 6.L.230.236; 6.L.230.237; 6.L.230.238; 6.L.230.239; 6.L.230.154;
6.L.230.157; 6.L.230.166; 6.L.230.169; 6.L.230.172; 6.L.230.175; 6.L.230.240;
6.L.230.244; 6.L.231.228; 6.L.231.229; 6.L.231.230; 6.L.231.231; 6.L.231.236;
5 6.L.231.237; 6.L.231.238; 6.L.231.239; 6.L.231.154; 6.L.231.157; 6.L.231.166;
6.L.231.169; 6.L.231.172; 6.L.231.175; 6.L.231.240; 6.L.231.244; 6.L.236.228;
6.L.236.229; 6.L.236.230; 6.L.236.231; 6.L.236.236; 6.L.236.237; 6.L.236.238;
6.L.236.239; 6.L.236.154; 6.L.236.157; 6.L.236.166; 6.L.236.169; 6.L.236.172;
6.L.236.175; 6.L.236.240; 6.L.236.244; 6.L.237.228; 6.L.237.229; 6.L.237.230;
10 6.L.237.231; 6.L.237.236; 6.L.237.237; 6.L.237.238; 6.L.237.239; 6.L.237.154;
6.L.237.157; 6.L.237.166; 6.L.237.169; 6.L.237.172; 6.L.237.175; 6.L.237.240;
6.L.237.244; 6.L.238.228; 6.L.238.229; 6.L.238.230; 6.L.238.231; 6.L.238.236;
6.L.238.237; 6.L.238.238; 6.L.238.239; 6.L.238.154; 6.L.238.157; 6.L.238.166;
6.L.238.169; 6.L.238.172; 6.L.238.175; 6.L.238.240; 6.L.238.244; 6.L.239.228;
15 6.L.239.229; 6.L.239.230; 6.L.239.231; 6.L.239.236; 6.L.239.237; 6.L.239.238;
6.L.239.239; 6.L.239.154; 6.L.239.157; 6.L.239.166; 6.L.239.169; 6.L.239.172;
6.L.239.175; 6.L.239.240; 6.L.239.244; 6.L.154.228; 6.L.154.229; 6.L.154.230;
6.L.154.231; 6.L.154.236; 6.L.154.237; 6.L.154.238; 6.L.154.239; 6.L.154.154;
6.L.154.157; 6.L.154.166; 6.L.154.169; 6.L.154.172; 6.L.154.175; 6.L.154.240;
20 6.L.154.244; 6.L.157.228; 6.L.157.229; 6.L.157.230; 6.L.157.231; 6.L.157.236;
6.L.157.237; 6.L.157.238; 6.L.157.239; 6.L.157.154; 6.L.157.157; 6.L.157.166;
6.L.157.169; 6.L.157.172; 6.L.157.175; 6.L.157.240; 6.L.157.244; 6.L.166.228;
6.L.166.229; 6.L.166.230; 6.L.166.231; 6.L.166.236; 6.L.166.237; 6.L.166.238;
6.L.166.239; 6.L.166.154; 6.L.166.157; 6.L.166.166; 6.L.166.169; 6.L.166.172;
25 6.L.166.175; 6.L.166.240; 6.L.166.244; 6.L.169.228; 6.L.169.229; 6.L.169.230;
6.L.169.231; 6.L.169.236; 6.L.169.237; 6.L.169.238; 6.L.169.239; 6.L.169.154;
6.L.169.157; 6.L.169.166; 6.L.169.169; 6.L.169.172; 6.L.169.175; 6.L.169.240;
6.L.169.244; 6.L.172.228; 6.L.172.229; 6.L.172.230; 6.L.172.231; 6.L.172.236;
6.L.172.237; 6.L.172.238; 6.L.172.239; 6.L.172.154; 6.L.172.157; 6.L.172.166;
30 6.L.172.169; 6.L.172.172; 6.L.172.175; 6.L.172.240; 6.L.172.244; 6.L.175.228;
6.L.175.229; 6.L.175.230; 6.L.175.231; 6.L.175.236; 6.L.175.237; 6.L.175.238;

6.L.175.239; 6.L.175.154; 6.L.175.157; 6.L.175.166; 6.L.175.169; 6.L.175.172;
6.L.175.175; 6.L.175.240; 6.L.175.244; 6.L.240.228; 6.L.240.229; 6.L.240.230;
6.L.240.231; 6.L.240.236; 6.L.240.237; 6.L.240.238; 6.L.240.239; 6.L.240.154;
6.L.240.157; 6.L.240.166; 6.L.240.169; 6.L.240.172; 6.L.240.175; 6.L.240.240;
5 6.L.240.244; 6.L.244.228; 6.L.244.229; 6.L.244.230; 6.L.244.231; 6.L.244.236;
6.L.244.237; 6.L.244.238; 6.L.244.239; 6.L.244.154; 6.L.244.157; 6.L.244.166;
6.L.244.169; 6.L.244.172; 6.L.244.175; 6.L.244.240; 6.L.244.244;

Prodrugs of 6.O

10 6.O.228.228; 6.O.228.229; 6.O.228.230; 6.O.228.231; 6.O.228.236;
6.O.228.237; 6.O.228.238; 6.O.228.239; 6.O.228.154; 6.O.228.157;
6.O.228.166; 6.O.228.169; 6.O.228.172; 6.O.228.175; 6.O.228.240;
6.O.228.244; 6.O.229.228; 6.O.229.229; 6.O.229.230; 6.O.229.231;
6.O.229.236; 6.O.229.237; 6.O.229.238; 6.O.229.239; 6.O.229.154;
15 6.O.229.157; 6.O.229.166; 6.O.229.169; 6.O.229.172; 6.O.229.175;
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20 6.O.231.230; 6.O.231.231; 6.O.231.236; 6.O.231.237; 6.O.231.238;
6.O.231.239; 6.O.231.154; 6.O.231.157; 6.O.231.166; 6.O.231.169;
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6.O.236.238; 6.O.236.239; 6.O.236.154; 6.O.236.157; 6.O.236.166;
25 6.O.236.169; 6.O.236.172; 6.O.236.175; 6.O.236.240; 6.O.236.244;
6.O.237.228; 6.O.237.229; 6.O.237.230; 6.O.237.231; 6.O.237.236;
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6.O.237.244; 6.O.238.228; 6.O.238.229; 6.O.238.230; 6.O.238.231;
30 6.O.238.236; 6.O.238.237; 6.O.238.238; 6.O.238.239; 6.O.238.154;
6.O.238.157; 6.O.238.166; 6.O.238.169; 6.O.238.172; 6.O.238.175;

6.O.238.240; 6.O.238.244; 6.O.239.228; 6.O.239.229; 6.O.239.230;
6.O.239.231; 6.O.239.236; 6.O.239.237; 6.O.239.238; 6.O.239.239;
6.O.239.154; 6.O.239.157; 6.O.239.166; 6.O.239.169; 6.O.239.172;
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5 6.O.154.230; 6.O.154.231; 6.O.154.236; 6.O.154.237; 6.O.154.238;
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6.O.157.238; 6.O.157.239; 6.O.157.154; 6.O.157.157; 6.O.157.166;
10 6.O.157.169; 6.O.157.172; 6.O.157.175; 6.O.157.240; 6.O.157.244;
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6.O.166.237; 6.O.166.238; 6.O.166.239; 6.O.166.154; 6.O.166.157;
6.O.166.166; 6.O.166.169; 6.O.166.172; 6.O.166.175; 6.O.166.240;
6.O.166.244; 6.O.169.228; 6.O.169.229; 6.O.169.230; 6.O.169.231;
15 6.O.169.236; 6.O.169.237; 6.O.169.238; 6.O.169.239; 6.O.169.154;
6.O.169.157; 6.O.169.166; 6.O.169.169; 6.O.169.172; 6.O.169.175;
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6.O.172.231; 6.O.172.236; 6.O.172.237; 6.O.172.238; 6.O.172.239;
6.O.172.154; 6.O.172.157; 6.O.172.166; 6.O.172.169; 6.O.172.172;
20 6.O.172.175; 6.O.172.240; 6.O.172.244; 6.O.175.228; 6.O.175.229;
6.O.175.230; 6.O.175.231; 6.O.175.236; 6.O.175.237; 6.O.175.238;
6.O.175.239; 6.O.175.154; 6.O.175.157; 6.O.175.166; 6.O.175.169;
6.O.175.172; 6.O.175.175; 6.O.175.240; 6.O.175.244; 6.O.240.228;
6.O.240.229; 6.O.240.230; 6.O.240.231; 6.O.240.236; 6.O.240.237;
25 6.O.240.238; 6.O.240.239; 6.O.240.154; 6.O.240.157; 6.O.240.166;
6.O.240.169; 6.O.240.172; 6.O.240.175; 6.O.240.240; 6.O.240.244;
6.O.244.228; 6.O.244.229; 6.O.244.230; 6.O.244.231; 6.O.244.236;
6.O.244.237; 6.O.244.238; 6.O.244.239; 6.O.244.154; 6.O.244.157;
6.O.244.166; 6.O.244.169; 6.O.244.172; 6.O.244.175; 6.O.244.240;
30 6.O.244.244;

Prodrugs of 6.P

- 6.P.228.228; 6.P.228.229; 6.P.228.230; 6.P.228.231; 6.P.228.236;
6.P.228.237; 6.P.228.238; 6.P.228.239; 6.P.228.154; 6.P.228.157; 6.P.228.166;
6.P.228.169; 6.P.228.172; 6.P.228.175; 6.P.228.240; 6.P.228.244; 6.P.229.228;
5 6.P.229.229; 6.P.229.230; 6.P.229.231; 6.P.229.236; 6.P.229.237; 6.P.229.238;
6.P.229.239; 6.P.229.154; 6.P.229.157; 6.P.229.166; 6.P.229.169; 6.P.229.172;
6.P.229.175; 6.P.229.240; 6.P.229.244; 6.P.230.228; 6.P.230.229; 6.P.230.230;
6.P.230.231; 6.P.230.236; 6.P.230.237; 6.P.230.238; 6.P.230.239; 6.P.230.154;
6.P.230.157; 6.P.230.166; 6.P.230.169; 6.P.230.172; 6.P.230.175; 6.P.230.240;
10 6.P.230.244; 6.P.231.228; 6.P.231.229; 6.P.231.230; 6.P.231.231; 6.P.231.236;
6.P.231.237; 6.P.231.238; 6.P.231.239; 6.P.231.154; 6.P.231.157; 6.P.231.166;
6.P.231.169; 6.P.231.172; 6.P.231.175; 6.P.231.240; 6.P.231.244; 6.P.236.228;
6.P.236.229; 6.P.236.230; 6.P.236.231; 6.P.236.236; 6.P.236.237; 6.P.236.238;
6.P.236.239; 6.P.236.154; 6.P.236.157; 6.P.236.166; 6.P.236.169; 6.P.236.172;
15 6.P.236.175; 6.P.236.240; 6.P.236.244; 6.P.237.228; 6.P.237.229; 6.P.237.230;
6.P.237.231; 6.P.237.236; 6.P.237.237; 6.P.237.238; 6.P.237.239; 6.P.237.154;
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6.P.237.244; 6.P.238.228; 6.P.238.229; 6.P.238.230; 6.P.238.231; 6.P.238.236;
6.P.238.237; 6.P.238.238; 6.P.238.239; 6.P.238.154; 6.P.238.157; 6.P.238.166;
20 6.P.238.169; 6.P.238.172; 6.P.238.175; 6.P.238.240; 6.P.238.244; 6.P.239.228;
6.P.239.229; 6.P.239.230; 6.P.239.231; 6.P.239.236; 6.P.239.237; 6.P.239.238;
6.P.239.239; 6.P.239.154; 6.P.239.157; 6.P.239.166; 6.P.239.169; 6.P.239.172;
6.P.239.175; 6.P.239.240; 6.P.239.244; 6.P.154.228; 6.P.154.229; 6.P.154.230;
6.P.154.231; 6.P.154.236; 6.P.154.237; 6.P.154.238; 6.P.154.239; 6.P.154.154;
25 6.P.154.157; 6.P.154.166; 6.P.154.169; 6.P.154.172; 6.P.154.175; 6.P.154.240;
6.P.154.244; 6.P.157.228; 6.P.157.229; 6.P.157.230; 6.P.157.231; 6.P.157.236;
6.P.157.237; 6.P.157.238; 6.P.157.239; 6.P.157.154; 6.P.157.157; 6.P.157.166;
6.P.157.169; 6.P.157.172; 6.P.157.175; 6.P.157.240; 6.P.157.244; 6.P.166.228;
6.P.166.229; 6.P.166.230; 6.P.166.231; 6.P.166.236; 6.P.166.237; 6.P.166.238;
30 6.P.166.239; 6.P.166.154; 6.P.166.157; 6.P.166.166; 6.P.166.169; 6.P.166.172;
6.P.166.175; 6.P.166.240; 6.P.166.244; 6.P.169.228; 6.P.169.229; 6.P.169.230;

6.P.169.231; 6.P.169.236; 6.P.169.237; 6.P.169.238; 6.P.169.239; 6.P.169.154;
6.P.169.157; 6.P.169.166; 6.P.169.169; 6.P.169.172; 6.P.169.175; 6.P.169.240;
6.P.169.244; 6.P.172.228; 6.P.172.229; 6.P.172.230; 6.P.172.231; 6.P.172.236;
6.P.172.237; 6.P.172.238; 6.P.172.239; 6.P.172.154; 6.P.172.157; 6.P.172.166;
5 6.P.172.169; 6.P.172.172; 6.P.172.175; 6.P.172.240; 6.P.172.244; 6.P.175.228;
6.P.175.229; 6.P.175.230; 6.P.175.231; 6.P.175.236; 6.P.175.237; 6.P.175.238;
6.P.175.239; 6.P.175.154; 6.P.175.157; 6.P.175.166; 6.P.175.169; 6.P.175.172;
6.P.175.175; 6.P.175.240; 6.P.175.244; 6.P.240.228; 6.P.240.229; 6.P.240.230;
6.P.240.231; 6.P.240.236; 6.P.240.237; 6.P.240.238; 6.P.240.239; 6.P.240.154;
10 6.P.240.157; 6.P.240.166; 6.P.240.169; 6.P.240.172; 6.P.240.175; 6.P.240.240;
6.P.240.244; 6.P.244.228; 6.P.244.229; 6.P.244.230; 6.P.244.231; 6.P.244.236;
6.P.244.237; 6.P.244.238; 6.P.244.239; 6.P.244.154; 6.P.244.157; 6.P.244.166;
6.P.244.169; 6.P.244.172; 6.P.244.175; 6.P.244.240; 6.P.244.244;

15 Prodrugs of 6.U

6.U.228.228; 6.U.228.229; 6.U.228.230; 6.U.228.231; 6.U.228.236;
6.U.228.237; 6.U.228.238; 6.U.228.239; 6.U.228.154; 6.U.228.157;
6.U.228.166; 6.U.228.169; 6.U.228.172; 6.U.228.175; 6.U.228.240;
6.U.228.244; 6.U.229.228; 6.U.229.229; 6.U.229.230; 6.U.229.231;
20 6.U.229.236; 6.U.229.237; 6.U.229.238; 6.U.229.239; 6.U.229.154;
6.U.229.157; 6.U.229.166; 6.U.229.169; 6.U.229.172; 6.U.229.175;
6.U.229.240; 6.U.229.244; 6.U.230.228; 6.U.230.229; 6.U.230.230;
6.U.230.231; 6.U.230.236; 6.U.230.237; 6.U.230.238; 6.U.230.239;
6.U.230.154; 6.U.230.157; 6.U.230.166; 6.U.230.169; 6.U.230.172;
25 6.U.230.175; 6.U.230.240; 6.U.230.244; 6.U.231.228; 6.U.231.229;
6.U.231.230; 6.U.231.231; 6.U.231.236; 6.U.231.237; 6.U.231.238;
6.U.231.239; 6.U.231.154; 6.U.231.157; 6.U.231.166; 6.U.231.169;
6.U.231.172; 6.U.231.175; 6.U.231.240; 6.U.231.244; 6.U.236.228;
6.U.236.229; 6.U.236.230; 6.U.236.231; 6.U.236.236; 6.U.236.237;
30 6.U.236.238; 6.U.236.239; 6.U.236.154; 6.U.236.157; 6.U.236.166;
6.U.236.169; 6.U.236.172; 6.U.236.175; 6.U.236.240; 6.U.236.244;

6.U.237.228; 6.U.237.229; 6.U.237.230; 6.U.237.231; 6.U.237.236;
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6.U.237.244; 6.U.238.228; 6.U.238.229; 6.U.238.230; 6.U.238.231;
5 6.U.238.236; 6.U.238.237; 6.U.238.238; 6.U.238.239; 6.U.238.154;
6.U.238.157; 6.U.238.166; 6.U.238.169; 6.U.238.172; 6.U.238.175;
6.U.238.240; 6.U.238.244; 6.U.239.228; 6.U.239.229; 6.U.239.230;
6.U.239.231; 6.U.239.236; 6.U.239.237; 6.U.239.238; 6.U.239.239;
6.U.239.154; 6.U.239.157; 6.U.239.166; 6.U.239.169; 6.U.239.172;
10 6.U.239.175; 6.U.239.240; 6.U.239.244; 6.U.154.228; 6.U.154.229;
6.U.154.230; 6.U.154.231; 6.U.154.236; 6.U.154.237; 6.U.154.238;
6.U.154.239; 6.U.154.154; 6.U.154.157; 6.U.154.166; 6.U.154.169;
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6.U.157.229; 6.U.157.230; 6.U.157.231; 6.U.157.236; 6.U.157.237;
15 6.U.157.238; 6.U.157.239; 6.U.157.154; 6.U.157.157; 6.U.157.166;
6.U.157.169; 6.U.157.172; 6.U.157.175; 6.U.157.240; 6.U.157.244;
6.U.166.228; 6.U.166.229; 6.U.166.230; 6.U.166.231; 6.U.166.236;
6.U.166.237; 6.U.166.238; 6.U.166.239; 6.U.166.154; 6.U.166.157;
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20 6.U.166.244; 6.U.169.228; 6.U.169.229; 6.U.169.230; 6.U.169.231;
6.U.169.236; 6.U.169.237; 6.U.169.238; 6.U.169.239; 6.U.169.154;
6.U.169.157; 6.U.169.166; 6.U.169.169; 6.U.169.172; 6.U.169.175;
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6.U.172.231; 6.U.172.236; 6.U.172.237; 6.U.172.238; 6.U.172.239;
25 6.U.172.154; 6.U.172.157; 6.U.172.166; 6.U.172.169; 6.U.172.172;
6.U.172.175; 6.U.172.240; 6.U.172.244; 6.U.175.228; 6.U.175.229;
6.U.175.230; 6.U.175.231; 6.U.175.236; 6.U.175.237; 6.U.175.238;
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6.U.240.238; 6.U.240.239; 6.U.240.154; 6.U.240.157; 6.U.240.166;

6.U.240.169; 6.U.240.172; 6.U.240.175; 6.U.240.240; 6.U.240.244;
6.U.244.228; 6.U.244.229; 6.U.244.230; 6.U.244.231; 6.U.244.236;
6.U.244.237; 6.U.244.238; 6.U.244.239; 6.U.244.154; 6.U.244.157;
6.U.244.166; 6.U.244.169; 6.U.244.172; 6.U.244.175; 6.U.244.240;
5 6.U.244.244;

Prodrugs of 6.W

6.W.228.228; 6.W.228.229; 6.W.228.230; 6.W.228.231; 6.W.228.236;
6.W.228.237; 6.W.228.238; 6.W.228.239; 6.W.228.154; 6.W.228.157;
10 6.W.228.166; 6.W.228.169; 6.W.228.172; 6.W.228.175; 6.W.228.240;
6.W.228.244; 6.W.229.228; 6.W.229.229; 6.W.229.230; 6.W.229.231;
6.W.229.236; 6.W.229.237; 6.W.229.238; 6.W.229.239; 6.W.229.154;
6.W.229.157; 6.W.229.166; 6.W.229.169; 6.W.229.172; 6.W.229.175;
6.W.229.240; 6.W.229.244; 6.W.230.228; 6.W.230.229; 6.W.230.230;
15 6.W.230.231; 6.W.230.236; 6.W.230.237; 6.W.230.238; 6.W.230.239;
6.W.230.154; 6.W.230.157; 6.W.230.166; 6.W.230.169; 6.W.230.172;
6.W.230.175; 6.W.230.240; 6.W.230.244; 6.W.231.228; 6.W.231.229;
6.W.231.230; 6.W.231.231; 6.W.231.236; 6.W.231.237; 6.W.231.238;
6.W.231.239; 6.W.231.154; 6.W.231.157; 6.W.231.166; 6.W.231.169;
20 6.W.231.172; 6.W.231.175; 6.W.231.240; 6.W.231.244; 6.W.236.228;
6.W.236.229; 6.W.236.230; 6.W.236.231; 6.W.236.236; 6.W.236.237;
6.W.236.238; 6.W.236.239; 6.W.236.154; 6.W.236.157; 6.W.236.166;
6.W.236.169; 6.W.236.172; 6.W.236.175; 6.W.236.240; 6.W.236.244;
6.W.237.228; 6.W.237.229; 6.W.237.230; 6.W.237.231; 6.W.237.236;
25 6.W.237.237; 6.W.237.238; 6.W.237.239; 6.W.237.154; 6.W.237.157;
6.W.237.166; 6.W.237.169; 6.W.237.172; 6.W.237.175; 6.W.237.240;
6.W.237.244; 6.W.238.228; 6.W.238.229; 6.W.238.230; 6.W.238.231;
6.W.238.236; 6.W.238.237; 6.W.238.238; 6.W.238.239; 6.W.238.154;
6.W.238.157; 6.W.238.166; 6.W.238.169; 6.W.238.172; 6.W.238.175;
30 6.W.238.240; 6.W.238.244; 6.W.239.228; 6.W.239.229; 6.W.239.230;
6.W.239.231; 6.W.239.236; 6.W.239.237; 6.W.239.238; 6.W.239.239;

6.W.239.154; 6.W.239.157; 6.W.239.166; 6.W.239.169; 6.W.239.172;
6.W.239.175; 6.W.239.240; 6.W.239.244; 6.W.154.228; 6.W.154.229;
6.W.154.230; 6.W.154.231; 6.W.154.236; 6.W.154.237; 6.W.154.238;
6.W.154.239; 6.W.154.154; 6.W.154.157; 6.W.154.166; 6.W.154.169;
5 6.W.154.172; 6.W.154.175; 6.W.154.240; 6.W.154.244; 6.W.157.228;
6.W.157.229; 6.W.157.230; 6.W.157.231; 6.W.157.236; 6.W.157.237;
6.W.157.238; 6.W.157.239; 6.W.157.154; 6.W.157.157; 6.W.157.166;
6.W.157.169; 6.W.157.172; 6.W.157.175; 6.W.157.240; 6.W.157.244;
6.W.166.228; 6.W.166.229; 6.W.166.230; 6.W.166.231; 6.W.166.236;
10 6.W.166.237; 6.W.166.238; 6.W.166.239; 6.W.166.154; 6.W.166.157;
6.W.166.166; 6.W.166.169; 6.W.166.172; 6.W.166.175; 6.W.166.240;
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6.W.244.166; 6.W.244.169; 6.W.244.172; 6.W.244.175; 6.W.244.240;
6.W.244.244;

30 Prodrugs of 6.Y

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6.Y.228.166; 6.Y.228.169; 6.Y.228.172; 6.Y.228.175; 6.Y.228.240;
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6.Y.244.166; 6.Y.244.169; 6.Y.244.172; 6.Y.244.175; 6.Y.244.240;
20 6.Y.244.244;

Prodrugs of 7.AH

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 10 7.AH.157.223; 7.AH.157.240; 7.AH.157.244; 7.AH.157.243; 7.AH.157.247;
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- 20 Prodrugs of 7.AI
- 7.AJ.4.157; 7.AJ.4.158; 7.AJ.4.196; 7.AJ.4.223; 7.AJ.4.240; 7.AJ.4.244;
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Prodrugs of 7.AN

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Prodrugs of 7.AP

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10 7.AP.247.223; 7.AP.247.240; 7.AP.247.244; 7.AP.247.243; 7.AP.247.247;

Prodrugs of 7.AZ

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- 10 Prodrugs of 7.BF
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Prodrugs of 7.CI

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Prodrugs of 7.CO

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Prodrugs of 8.AH

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Prodrugs of 8.AI

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Prodrugs of 8.AN

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8.AN.247.223; 8.AN.247.240; 8.AN.247.244; 8.AN.247.243; 8.AN.247.247;

25

Prodrugs of 8.AP

- 8.AP.4.157; 8.AP.4.158; 8.AP.4.196; 8.AP.4.223; 8.AP.4.240; 8.AP.4.244;
8.AP.4.243; 8.AP.4.247; 8.AP.5.157; 8.AP.5.158; 8.AP.5.196; 8.AP.5.223;
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30 8.AP.7.196; 8.AP.7.223; 8.AP.7.240; 8.AP.7.244; 8.AP.7.243; 8.AP.7.247;
8.AP.15.157; 8.AP.15.158; 8.AP.15.196; 8.AP.15.223; 8.AP.15.240;
8.AP.15.244; 8.AP.15.243; 8.AP.15.247; 8.AP.16.157; 8.AP.16.158;

- 8.AP.16.196; 8.AP.16.223; 8.AP.16.240; 8.AP.16.244; 8.AP.16.243;
8.AP.16.247; 8.AP.18.157; 8.AP.18.158; 8.AP.18.196; 8.AP.18.223;
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8.AP.26.158; 8.AP.26.196; 8.AP.26.223; 8.AP.26.240; 8.AP.26.244;
5 8.AP.26.243; 8.AP.26.247; 8.AP.27.157; 8.AP.27.158; 8.AP.27.196;
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8.AP.29.244; 8.AP.29.243; 8.AP.29.247; 8.AP.54.157; 8.AP.54.158;
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15 8.AP.196.157; 8.AP.196.158; 8.AP.196.196; 8.AP.196.223; 8.AP.196.240;
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8.AP.247.223; 8.AP.247.240; 8.AP.247.244; 8.AP.247.243; 8.AP.247.247;

Prodrugs of 8.AZ

- 25 8.AZ.4.157; 8.AZ.4.158; 8.AZ.4.196; 8.AZ.4.223; 8.AZ.4.240; 8.AZ.4.244;
8.AZ.4.243; 8.AZ.4.247; 8.AZ.5.157; 8.AZ.5.158; 8.AZ.5.196; 8.AZ.5.223;
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30 8.AZ.15.244; 8.AZ.15.243; 8.AZ.15.247; 8.AZ.16.157; 8.AZ.16.158;
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- 8.AZ.18.240; 8.AZ.18.244; 8.AZ.18.243; 8.AZ.18.247; 8.AZ.26.157;
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8.AZ.26.243; 8.AZ.26.247; 8.AZ.27.157; 8.AZ.27.158; 8.AZ.27.196;
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20 8.AZ.247.223; 8.AZ.247.240; 8.AZ.247.244; 8.AZ.247.243; 8.AZ.247.247;

Prodrugs of 8.BF

- 8.BF.4.157; 8.BF.4.158; 8.BF.4.196; 8.BF.4.223; 8.BF.4.240; 8.BF.4.244;
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10 8.BF.157.223; 8.BF.157.240; 8.BF.157.244; 8.BF.157.243; 8.BF.157.247;
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15 8.BF.240.240; 8.BF.240.244; 8.BF.240.243; 8.BF.240.247; 8.BF.244.157;
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8.BF.247.223; 8.BF.247.240; 8.BF.247.244; 8.BF.247.243; 8.BF.247.247;

20 Prodrugs of 8.CI

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8.CI.5.240; 8.CI.5.244; 8.CI.5.243; 8.CI.5.247; 8.CI.7.157; 8.CI.7.158;
8.CI.7.196; 8.CI.7.223; 8.CI.7.240; 8.CI.7.244; 8.CI.7.243; 8.CI.7.247;
25 8.CI.15.157; 8.CI.15.158; 8.CI.15.196; 8.CI.15.223; 8.CI.15.240; 8.CI.15.244;
8.CI.15.243; 8.CI.15.247; 8.CI.16.157; 8.CI.16.158; 8.CI.16.196; 8.CI.16.223;
8.CI.16.240; 8.CI.16.244; 8.CI.16.243; 8.CI.16.247; 8.CI.18.157; 8.CI.18.158;
8.CI.18.196; 8.CI.18.223; 8.CI.18.240; 8.CI.18.244; 8.CI.18.243; 8.CI.18.247;
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30 8.CI.26.243; 8.CI.26.247; 8.CI.27.157; 8.CI.27.158; 8.CI.27.196; 8.CI.27.223;
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8.CI.29.196; 8.CI.29.223; 8.CI.29.240; 8.CI.29.244; 8.CI.29.243; 8.CI.29.247;

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Prodrugs of 8.CO

- 8.CO.4.157; 8.CO.4.158; 8.CO.4.196; 8.CO.4.223; 8.CO.4.240; 8.CO.4.244;
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25 8.CO.18.240; 8.CO.18.244; 8.CO.18.243; 8.CO.18.247; 8.CO.26.157;
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30 8.CO.29.244; 8.CO.29.243; 8.CO.29.247; 8.CO.54.157; 8.CO.54.158;
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Prodrugs of 9.AH

- 15 9.AH.4.157; 9.AH.4.158; 9.AH.4.196; 9.AH.4.223; 9.AH.4.240; 9.AH.4.244;
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20 9.AH.15.244; 9.AH.15.243; 9.AH.15.247; 9.AH.16.157; 9.AH.16.158;
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10 9.AH.247.223; 9.AH.247.240; 9.AH.247.244; 9.AH.247.243; 9.AH.247.247;

Prodrugs of 9.AI

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15 9.AJ.5.240; 9.AJ.5.244; 9.AJ.5.243; 9.AJ.5.247; 9.AJ.7.157; 9.AJ.7.158;
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Prodrugs of 9.AP

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Prodrugs of 9.AZ

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Prodrugs of 9.BF

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Prodrugs of 9.CI

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Prodrugs of 9.CO

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Prodrugs of 10.AH

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Prodrugs of 11.AZ

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5 12.AP.240.157; 12.AP.240.158; 12.AP.240.196; 12.AP.240.223;
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10 12.AP.247.240; 12.AP.247.244; 12.AP.247.243; 12.AP.247.247;

Prodrugs of 12.AZ

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12.AZ.247.240; 12.AZ.247.244; 12.AZ.247.243; 12.AZ.247.247;

Prodrugs of 12.BF

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15 12.BF.4.244; 12.BF.4.243; 12.BF.4.247; 12.BF.5.157; 12.BF.5.158;
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10 12.BF.247.240; 12.BF.247.244; 12.BF.247.243; 12.BF.247.247;

Prodrugs of 12.CI

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12.CI.4.244; 12.CI.4.243; 12.CI.4.247; 12.CI.5.157; 12.CI.5.158; 12.CI.5.196;
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12.CI.247.247;

10

Prodrugs of 12.CO

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12.CO.5.196; 12.CO.5.223; 12.CO.5.240; 12.CO.5.244; 12.CO.5.243;
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- 12.CO.157.247; 12.CO.196.157; 12.CO.196.158; 12.CO.196.196;
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10 12.CO.247.223; 12.CO.247.240; 12.CO.247.244; 12.CO.247.243;
12.CO.247.247.

Prodrugs of 13.B

- 13.B.228.228; 13.B.228.229; 13.B.228.230; 13.B.228.231; 13.B.228.236;
13.B.228.237; 13.B.228.238; 13.B.228.239; 13.B.228.154; 13.B.228.157;
5 13.B.228.166; 13.B.228.169; 13.B.228.172; 13.B.228.175; 13.B.228.240;
13.B.228.244; 13.B.229.228; 13.B.229.229; 13.B.229.230; 13.B.229.231;
13.B.229.236; 13.B.229.237; 13.B.229.238; 13.B.229.239; 13.B.229.154;
13.B.229.157; 13.B.229.166; 13.B.229.169; 13.B.229.172; 13.B.229.175;
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13.B.238.236; 13.B.238.237; 13.B.238.238; 13.B.238.239; 13.B.238.154;
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13.B.239.154; 13.B.239.157; 13.B.239.166; 13.B.239.169; 13.B.239.172;
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13.B.154.172; 13.B.154.175; 13.B.154.240; 13.B.154.244; 13.B.157.228;

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13.B.244.244;
- 25 Prodrugs of 13.D
13.D.228.228; 13.D.228.229; 13.D.228.230; 13.D.228.231; 13.D.228.236;
13.D.228.237; 13.D.228.238; 13.D.228.239; 13.D.228.154; 13.D.228.157;
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13.D.229.157; 13.D.229.166; 13.D.229.169; 13.D.229.172; 13.D.229.175;

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5 13.D.231.230; 13.D.231.231; 13.D.231.236; 13.D.231.237; 13.D.231.238;
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13.D.237.228; 13.D.237.229; 13.D.237.230; 13.D.237.231; 13.D.237.236;
13.D.237.237; 13.D.237.238; 13.D.237.239; 13.D.237.154; 13.D.237.157;
13.D.237.166; 13.D.237.169; 13.D.237.172; 13.D.237.175; 13.D.237.240;
13.D.237.244; 13.D.238.228; 13.D.238.229; 13.D.238.230; 13.D.238.231;
15 13.D.238.236; 13.D.238.237; 13.D.238.238; 13.D.238.239; 13.D.238.154;
13.D.238.157; 13.D.238.166; 13.D.238.169; 13.D.238.172; 13.D.238.175;
13.D.238.240; 13.D.238.244; 13.D.239.228; 13.D.239.229; 13.D.239.230;
13.D.239.231; 13.D.239.236; 13.D.239.237; 13.D.239.238; 13.D.239.239;
13.D.239.154; 13.D.239.157; 13.D.239.166; 13.D.239.169; 13.D.239.172;
20 13.D.239.175; 13.D.239.240; 13.D.239.244; 13.D.154.228; 13.D.154.229;
13.D.154.230; 13.D.154.231; 13.D.154.236; 13.D.154.237; 13.D.154.238;
13.D.154.239; 13.D.154.154; 13.D.154.157; 13.D.154.166; 13.D.154.169;
13.D.154.172; 13.D.154.175; 13.D.154.240; 13.D.154.244; 13.D.157.228;
13.D.157.229; 13.D.157.230; 13.D.157.231; 13.D.157.236; 13.D.157.237;
25 13.D.157.238; 13.D.157.239; 13.D.157.154; 13.D.157.157; 13.D.157.166;
13.D.157.169; 13.D.157.172; 13.D.157.175; 13.D.157.240; 13.D.157.244;
13.D.166.228; 13.D.166.229; 13.D.166.230; 13.D.166.231; 13.D.166.236;
13.D.166.237; 13.D.166.238; 13.D.166.239; 13.D.166.154; 13.D.166.157;
13.D.166.166; 13.D.166.169; 13.D.166.172; 13.D.166.175; 13.D.166.240;
30 13.D.166.244; 13.D.169.228; 13.D.169.229; 13.D.169.230; 13.D.169.231;
13.D.169.236; 13.D.169.237; 13.D.169.238; 13.D.169.239; 13.D.169.154;

13.D.169.157; 13.D.169.166; 13.D.169.169; 13.D.169.172; 13.D.169.175;
13.D.169.240; 13.D.169.244; 13.D.172.228; 13.D.172.229; 13.D.172.230;
13.D.172.231; 13.D.172.236; 13.D.172.237; 13.D.172.238; 13.D.172.239;
13.D.172.154; 13.D.172.157; 13.D.172.166; 13.D.172.169; 13.D.172.172;
5 13.D.172.175; 13.D.172.240; 13.D.172.244; 13.D.175.228; 13.D.175.229;
13.D.175.230; 13.D.175.231; 13.D.175.236; 13.D.175.237; 13.D.175.238;
13.D.175.239; 13.D.175.154; 13.D.175.157; 13.D.175.166; 13.D.175.169;
13.D.175.172; 13.D.175.175; 13.D.175.240; 13.D.175.244; 13.D.240.228;
13.D.240.229; 13.D.240.230; 13.D.240.231; 13.D.240.236; 13.D.240.237;
10 13.D.240.238; 13.D.240.239; 13.D.240.154; 13.D.240.157; 13.D.240.166;
13.D.240.169; 13.D.240.172; 13.D.240.175; 13.D.240.240; 13.D.240.244;
13.D.244.228; 13.D.244.229; 13.D.244.230; 13.D.244.231; 13.D.244.236;
13.D.244.237; 13.D.244.238; 13.D.244.239; 13.D.244.154; 13.D.244.157;
13.D.244.166; 13.D.244.169; 13.D.244.172; 13.D.244.175; 13.D.244.240;
15 13.D.244.244;

Prodrugs of 13.E

13.E.228.228; 13.E.228.229; 13.E.228.230; 13.E.228.231; 13.E.228.236;
13.E.228.237; 13.E.228.238; 13.E.228.239; 13.E.228.154; 13.E.228.157;
20 13.E.228.166; 13.E.228.169; 13.E.228.172; 13.E.228.175; 13.E.228.240;
13.E.228.244; 13.E.229.228; 13.E.229.229; 13.E.229.230; 13.E.229.231;
13.E.229.236; 13.E.229.237; 13.E.229.238; 13.E.229.239; 13.E.229.154;
13.E.229.157; 13.E.229.166; 13.E.229.169; 13.E.229.172; 13.E.229.175;
13.E.229.240; 13.E.229.244; 13.E.230.228; 13.E.230.229; 13.E.230.230;
25 13.E.230.231; 13.E.230.236; 13.E.230.237; 13.E.230.238; 13.E.230.239;
13.E.230.154; 13.E.230.157; 13.E.230.166; 13.E.230.169; 13.E.230.172;
13.E.230.175; 13.E.230.240; 13.E.230.244; 13.E.231.228; 13.E.231.229;
13.E.231.230; 13.E.231.231; 13.E.231.236; 13.E.231.237; 13.E.231.238;
13.E.231.239; 13.E.231.154; 13.E.231.157; 13.E.231.166; 13.E.231.169;
30 13.E.231.172; 13.E.231.175; 13.E.231.240; 13.E.231.244; 13.E.236.228;
13.E.236.229; 13.E.236.230; 13.E.236.231; 13.E.236.236; 13.E.236.237;

13.E.236.238; 13.E.236.239; 13.E.236.154; 13.E.236.157; 13.E.236.166;
13.E.236.169; 13.E.236.172; 13.E.236.175; 13.E.236.240; 13.E.236.244;
13.E.237.228; 13.E.237.229; 13.E.237.230; 13.E.237.231; 13.E.237.236;
13.E.237.237; 13.E.237.238; 13.E.237.239; 13.E.237.154; 13.E.237.157;
5 13.E.237.166; 13.E.237.169; 13.E.237.172; 13.E.237.175; 13.E.237.240;
13.E.237.244; 13.E.238.228; 13.E.238.229; 13.E.238.230; 13.E.238.231;
13.E.238.236; 13.E.238.237; 13.E.238.238; 13.E.238.239; 13.E.238.154;
13.E.238.157; 13.E.238.166; 13.E.238.169; 13.E.238.172; 13.E.238.175;
13.E.238.240; 13.E.238.244; 13.E.239.228; 13.E.239.229; 13.E.239.230;
10 13.E.239.231; 13.E.239.236; 13.E.239.237; 13.E.239.238; 13.E.239.239;
13.E.239.154; 13.E.239.157; 13.E.239.166; 13.E.239.169; 13.E.239.172;
13.E.239.175; 13.E.239.240; 13.E.239.244; 13.E.154.228; 13.E.154.229;
13.E.154.230; 13.E.154.231; 13.E.154.236; 13.E.154.237; 13.E.154.238;
13.E.154.239; 13.E.154.154; 13.E.154.157; 13.E.154.166; 13.E.154.169;
15 13.E.154.172; 13.E.154.175; 13.E.154.240; 13.E.154.244; 13.E.157.228;
13.E.157.229; 13.E.157.230; 13.E.157.231; 13.E.157.236; 13.E.157.237;
13.E.157.238; 13.E.157.239; 13.E.157.154; 13.E.157.157; 13.E.157.166;
13.E.157.169; 13.E.157.172; 13.E.157.175; 13.E.157.240; 13.E.157.244;
13.E.166.228; 13.E.166.229; 13.E.166.230; 13.E.166.231; 13.E.166.236;
20 13.E.166.237; 13.E.166.238; 13.E.166.239; 13.E.166.154; 13.E.166.157;
13.E.166.166; 13.E.166.169; 13.E.166.172; 13.E.166.175; 13.E.166.240;
13.E.166.244; 13.E.169.228; 13.E.169.229; 13.E.169.230; 13.E.169.231;
13.E.169.236; 13.E.169.237; 13.E.169.238; 13.E.169.239; 13.E.169.154;
13.E.169.157; 13.E.169.166; 13.E.169.169; 13.E.169.172; 13.E.169.175;
25 13.E.169.240; 13.E.169.244; 13.E.172.228; 13.E.172.229; 13.E.172.230;
13.E.172.231; 13.E.172.236; 13.E.172.237; 13.E.172.238; 13.E.172.239;
13.E.172.154; 13.E.172.157; 13.E.172.166; 13.E.172.169; 13.E.172.172;
13.E.172.175; 13.E.172.240; 13.E.172.244; 13.E.175.228; 13.E.175.229;
13.E.175.230; 13.E.175.231; 13.E.175.236; 13.E.175.237; 13.E.175.238;
30 13.E.175.239; 13.E.175.154; 13.E.175.157; 13.E.175.166; 13.E.175.169;
13.E.175.172; 13.E.175.175; 13.E.175.240; 13.E.175.244; 13.E.240.228;

13.E.240.229; 13.E.240.230; 13.E.240.231; 13.E.240.236; 13.E.240.237;
13.E.240.238; 13.E.240.239; 13.E.240.154; 13.E.240.157; 13.E.240.166;
13.E.240.169; 13.E.240.172; 13.E.240.175; 13.E.240.240; 13.E.240.244;
13.E.244.228; 13.E.244.229; 13.E.244.230; 13.E.244.231; 13.E.244.236;
5 13.E.244.237; 13.E.244.238; 13.E.244.239; 13.E.244.154; 13.E.244.157;
13.E.244.166; 13.E.244.169; 13.E.244.172; 13.E.244.175; 13.E.244.240;
13.E.244.244;

Prodrugs of 13.G

10 13.G.228.228; 13.G.228.229; 13.G.228.230; 13.G.228.231; 13.G.228.236;
13.G.228.237; 13.G.228.238; 13.G.228.239; 13.G.228.154; 13.G.228.157;
13.G.228.166; 13.G.228.169; 13.G.228.172; 13.G.228.175; 13.G.228.240;
13.G.228.244; 13.G.229.228; 13.G.229.229; 13.G.229.230; 13.G.229.231;
13.G.229.236; 13.G.229.237; 13.G.229.238; 13.G.229.239; 13.G.229.154;
15 13.G.229.157; 13.G.229.166; 13.G.229.169; 13.G.229.172; 13.G.229.175;
13.G.229.240; 13.G.229.244; 13.G.230.228; 13.G.230.229; 13.G.230.230;
13.G.230.231; 13.G.230.236; 13.G.230.237; 13.G.230.238; 13.G.230.239;
13.G.230.154; 13.G.230.157; 13.G.230.166; 13.G.230.169; 13.G.230.172;
13.G.230.175; 13.G.230.240; 13.G.230.244; 13.G.231.228; 13.G.231.229;
20 13.G.231.230; 13.G.231.231; 13.G.231.236; 13.G.231.237; 13.G.231.238;
13.G.231.239; 13.G.231.154; 13.G.231.157; 13.G.231.166; 13.G.231.169;
13.G.231.172; 13.G.231.175; 13.G.231.240; 13.G.231.244; 13.G.236.228;
13.G.236.229; 13.G.236.230; 13.G.236.231; 13.G.236.236; 13.G.236.237;
13.G.236.238; 13.G.236.239; 13.G.236.154; 13.G.236.157; 13.G.236.166;
25 13.G.236.169; 13.G.236.172; 13.G.236.175; 13.G.236.240; 13.G.236.244;
13.G.237.228; 13.G.237.229; 13.G.237.230; 13.G.237.231; 13.G.237.236;
13.G.237.237; 13.G.237.238; 13.G.237.239; 13.G.237.154; 13.G.237.157;
13.G.237.166; 13.G.237.169; 13.G.237.172; 13.G.237.175; 13.G.237.240;
13.G.237.244; 13.G.238.228; 13.G.238.229; 13.G.238.230; 13.G.238.231;
30 13.G.238.236; 13.G.238.237; 13.G.238.238; 13.G.238.239; 13.G.238.154;
13.G.238.157; 13.G.238.166; 13.G.238.169; 13.G.238.172; 13.G.238.175;

13.G.238.240; 13.G.238.244; 13.G.239.228; 13.G.239.229; 13.G.239.230;
13.G.239.231; 13.G.239.236; 13.G.239.237; 13.G.239.238; 13.G.239.239;
13.G.239.154; 13.G.239.157; 13.G.239.166; 13.G.239.169; 13.G.239.172;
13.G.239.175; 13.G.239.240; 13.G.239.244; 13.G.154.228; 13.G.154.229;
5 13.G.154.230; 13.G.154.231; 13.G.154.236; 13.G.154.237; 13.G.154.238;
13.G.154.239; 13.G.154.154; 13.G.154.157; 13.G.154.166; 13.G.154.169;
13.G.154.172; 13.G.154.175; 13.G.154.240; 13.G.154.244; 13.G.157.228;
13.G.157.229; 13.G.157.230; 13.G.157.231; 13.G.157.236; 13.G.157.237;
13.G.157.238; 13.G.157.239; 13.G.157.154; 13.G.157.157; 13.G.157.166;
10 13.G.157.169; 13.G.157.172; 13.G.157.175; 13.G.157.240; 13.G.157.244;
13.G.166.228; 13.G.166.229; 13.G.166.230; 13.G.166.231; 13.G.166.236;
13.G.166.237; 13.G.166.238; 13.G.166.239; 13.G.166.154; 13.G.166.157;
13.G.166.166; 13.G.166.169; 13.G.166.172; 13.G.166.175; 13.G.166.240;
13.G.166.244; 13.G.169.228; 13.G.169.229; 13.G.169.230; 13.G.169.231;
15 13.G.169.236; 13.G.169.237; 13.G.169.238; 13.G.169.239; 13.G.169.154;
13.G.169.157; 13.G.169.166; 13.G.169.169; 13.G.169.172; 13.G.169.175;
13.G.169.240; 13.G.169.244; 13.G.172.228; 13.G.172.229; 13.G.172.230;
13.G.172.231; 13.G.172.236; 13.G.172.237; 13.G.172.238; 13.G.172.239;
13.G.172.154; 13.G.172.157; 13.G.172.166; 13.G.172.169; 13.G.172.172;
20 13.G.172.175; 13.G.172.240; 13.G.172.244; 13.G.175.228; 13.G.175.229;
13.G.175.230; 13.G.175.231; 13.G.175.236; 13.G.175.237; 13.G.175.238;
13.G.175.239; 13.G.175.154; 13.G.175.157; 13.G.175.166; 13.G.175.169;
13.G.175.172; 13.G.175.175; 13.G.175.240; 13.G.175.244; 13.G.240.228;
13.G.240.229; 13.G.240.230; 13.G.240.231; 13.G.240.236; 13.G.240.237;
25 13.G.240.238; 13.G.240.239; 13.G.240.154; 13.G.240.157; 13.G.240.166;
13.G.240.169; 13.G.240.172; 13.G.240.175; 13.G.240.240; 13.G.240.244;
13.G.244.228; 13.G.244.229; 13.G.244.230; 13.G.244.231; 13.G.244.236;
13.G.244.237; 13.G.244.238; 13.G.244.239; 13.G.244.154; 13.G.244.157;
13.G.244.166; 13.G.244.169; 13.G.244.172; 13.G.244.175; 13.G.244.240;
30 13.G.244.244;

Prodrugs of 13.I

- 13.I.228.228; 13.I.228.229; 13.I.228.230; 13.I.228.231; 13.I.228.236;
13.I.228.237; 13.I.228.238; 13.I.228.239; 13.I.228.154; 13.I.228.157;
13.I.228.166; 13.I.228.169; 13.I.228.172; 13.I.228.175; 13.I.228.240;
5 13.I.228.244; 13.I.229.228; 13.I.229.229; 13.I.229.230; 13.I.229.231;
13.I.229.236; 13.I.229.237; 13.I.229.238; 13.I.229.239; 13.I.229.154;
13.I.229.157; 13.I.229.166; 13.I.229.169; 13.I.229.172; 13.I.229.175;
13.I.229.240; 13.I.229.244; 13.I.230.228; 13.I.230.229; 13.I.230.230;
13.I.230.231; 13.I.230.236; 13.I.230.237; 13.I.230.238; 13.I.230.239;
10 13.I.230.154; 13.I.230.157; 13.I.230.166; 13.I.230.169; 13.I.230.172;
13.I.230.175; 13.I.230.240; 13.I.230.244; 13.I.231.228; 13.I.231.229;
13.I.231.230; 13.I.231.231; 13.I.231.236; 13.I.231.237; 13.I.231.238;
13.I.231.239; 13.I.231.154; 13.I.231.157; 13.I.231.166; 13.I.231.169;
13.I.231.172; 13.I.231.175; 13.I.231.240; 13.I.231.244; 13.I.236.228;
15 13.I.236.229; 13.I.236.230; 13.I.236.231; 13.I.236.236; 13.I.236.237;
13.I.236.238; 13.I.236.239; 13.I.236.154; 13.I.236.157; 13.I.236.166;
13.I.236.169; 13.I.236.172; 13.I.236.175; 13.I.236.240; 13.I.236.244;
13.I.237.228; 13.I.237.229; 13.I.237.230; 13.I.237.231; 13.I.237.236;
13.I.237.237; 13.I.237.238; 13.I.237.239; 13.I.237.154; 13.I.237.157;
20 13.I.237.166; 13.I.237.169; 13.I.237.172; 13.I.237.175; 13.I.237.240;
13.I.237.244; 13.I.238.228; 13.I.238.229; 13.I.238.230; 13.I.238.231;
13.I.238.236; 13.I.238.237; 13.I.238.238; 13.I.238.239; 13.I.238.154;
13.I.238.157; 13.I.238.166; 13.I.238.169; 13.I.238.172; 13.I.238.175;
13.I.238.240; 13.I.238.244; 13.I.239.228; 13.I.239.229; 13.I.239.230;
25 13.I.239.231; 13.I.239.236; 13.I.239.237; 13.I.239.238; 13.I.239.239;
13.I.239.154; 13.I.239.157; 13.I.239.166; 13.I.239.169; 13.I.239.172;
13.I.239.175; 13.I.239.240; 13.I.239.244; 13.I.154.228; 13.I.154.229;
13.I.154.230; 13.I.154.231; 13.I.154.236; 13.I.154.237; 13.I.154.238;
13.I.154.239; 13.I.154.154; 13.I.154.157; 13.I.154.166; 13.I.154.169;
30 13.I.154.172; 13.I.154.175; 13.I.154.240; 13.I.154.244; 13.I.157.228;
13.I.157.229; 13.I.157.230; 13.I.157.231; 13.I.157.236; 13.I.157.237;

13.I.157.238; 13.I.157.239; 13.I.157.154; 13.I.157.157; 13.I.157.166;
13.I.157.169; 13.I.157.172; 13.I.157.175; 13.I.157.240; 13.I.157.244;
13.I.166.228; 13.I.166.229; 13.I.166.230; 13.I.166.231; 13.I.166.236;
13.I.166.237; 13.I.166.238; 13.I.166.239; 13.I.166.154; 13.I.166.157;
5 13.I.166.166; 13.I.166.169; 13.I.166.172; 13.I.166.175; 13.I.166.240;
13.I.166.244; 13.I.169.228; 13.I.169.229; 13.I.169.230; 13.I.169.231;
13.I.169.236; 13.I.169.237; 13.I.169.238; 13.I.169.239; 13.I.169.154;
13.I.169.157; 13.I.169.166; 13.I.169.169; 13.I.169.172; 13.I.169.175;
13.I.169.240; 13.I.169.244; 13.I.172.228; 13.I.172.229; 13.I.172.230;
10 13.I.172.231; 13.I.172.236; 13.I.172.237; 13.I.172.238; 13.I.172.239;
13.I.172.154; 13.I.172.157; 13.I.172.166; 13.I.172.169; 13.I.172.172;
13.I.172.175; 13.I.172.240; 13.I.172.244; 13.I.175.228; 13.I.175.229;
13.I.175.230; 13.I.175.231; 13.I.175.236; 13.I.175.237; 13.I.175.238;
13.I.175.239; 13.I.175.154; 13.I.175.157; 13.I.175.166; 13.I.175.169;
15 13.I.175.172; 13.I.175.175; 13.I.175.240; 13.I.175.244; 13.I.240.228;
13.I.240.229; 13.I.240.230; 13.I.240.231; 13.I.240.236; 13.I.240.237;
13.I.240.238; 13.I.240.239; 13.I.240.154; 13.I.240.157; 13.I.240.166;
13.I.240.169; 13.I.240.172; 13.I.240.175; 13.I.240.240; 13.I.240.244;
13.I.244.228; 13.I.244.229; 13.I.244.230; 13.I.244.231; 13.I.244.236;
20 13.I.244.237; 13.I.244.238; 13.I.244.239; 13.I.244.154; 13.I.244.157;
13.I.244.166; 13.I.244.169; 13.I.244.172; 13.I.244.175; 13.I.244.240;
13.I.244.244;

Prodrugs of 13.I

25 13.J.228.228; 13.J.228.229; 13.J.228.230; 13.J.228.231; 13.J.228.236;
13.J.228.237; 13.J.228.238; 13.J.228.239; 13.J.228.154; 13.J.228.157;
13.J.228.166; 13.J.228.169; 13.J.228.172; 13.J.228.175; 13.J.228.240;
13.J.228.244; 13.J.229.228; 13.J.229.229; 13.J.229.230; 13.J.229.231;
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13.P.172.175; 13.P.172.240; 13.P.172.244; 13.P.175.228; 13.P.175.229;
13.P.175.230; 13.P.175.231; 13.P.175.236; 13.P.175.237; 13.P.175.238;
13.P.175.239; 13.P.175.154; 13.P.175.157; 13.P.175.166; 13.P.175.169;
13.P.175.172; 13.P.175.175; 13.P.175.240; 13.P.175.244; 13.P.240.228;
15 13.P.240.229; 13.P.240.230; 13.P.240.231; 13.P.240.236; 13.P.240.237;
13.P.240.238; 13.P.240.239; 13.P.240.154; 13.P.240.157; 13.P.240.166;
13.P.240.169; 13.P.240.172; 13.P.240.175; 13.P.240.240; 13.P.240.244;
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20 13.P.244.166; 13.P.244.169; 13.P.244.172; 13.P.244.175; 13.P.244.240;
13.P.244.244;

Prodrugs of 13.U

13.U.228.228; 13.U.228.229; 13.U.228.230; 13.U.228.231; 13.U.228.236;
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13.U.228.166; 13.U.228.169; 13.U.228.172; 13.U.228.175; 13.U.228.240;
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5 13.U.231.172; 13.U.231.175; 13.U.231.240; 13.U.231.244; 13.U.236.228;
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13.U.157.238; 13.U.157.239; 13.U.157.154; 13.U.157.157; 13.U.157.166;
13.U.157.169; 13.U.157.172; 13.U.157.175; 13.U.157.240; 13.U.157.244;
25 13.U.166.228; 13.U.166.229; 13.U.166.230; 13.U.166.231; 13.U.166.236;
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13.U.166.166; 13.U.166.169; 13.U.166.172; 13.U.166.175; 13.U.166.240;
13.U.166.244; 13.U.169.228; 13.U.169.229; 13.U.169.230; 13.U.169.231;
13.U.169.236; 13.U.169.237; 13.U.169.238; 13.U.169.239; 13.U.169.154;
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10 13.U.244.228; 13.U.244.229; 13.U.244.230; 13.U.244.231; 13.U.244.236;
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13.U.244.166; 13.U.244.169; 13.U.244.172; 13.U.244.175; 13.U.244.240;
13.U.244.244;

15 Prodrugs of 13.W

13.W.228.228; 13.W.228.229; 13.W.228.230; 13.W.228.231; 13.W.228.236;
13.W.228.237; 13.W.228.238; 13.W.228.239; 13.W.228.154; 13.W.228.157;
13.W.228.166; 13.W.228.169; 13.W.228.172; 13.W.228.175; 13.W.228.240;
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20 13.W.229.236; 13.W.229.237; 13.W.229.238; 13.W.229.239; 13.W.229.154;
13.W.229.157; 13.W.229.166; 13.W.229.169; 13.W.229.172; 13.W.229.175;
13.W.229.240; 13.W.229.244; 13.W.230.228; 13.W.230.229; 13.W.230.230;
13.W.230.231; 13.W.230.236; 13.W.230.237; 13.W.230.238; 13.W.230.239;
13.W.230.154; 13.W.230.157; 13.W.230.166; 13.W.230.169; 13.W.230.172;
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13.W.231.230; 13.W.231.231; 13.W.231.236; 13.W.231.237; 13.W.231.238;
13.W.231.239; 13.W.231.154; 13.W.231.157; 13.W.231.166; 13.W.231.169;
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30 13.W.236.238; 13.W.236.239; 13.W.236.154; 13.W.236.157; 13.W.236.166;
13.W.236.169; 13.W.236.172; 13.W.236.175; 13.W.236.240; 13.W.236.244;

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13.W.172.231; 13.W.172.236; 13.W.172.237; 13.W.172.238; 13.W.172.239;
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13.W.172.175; 13.W.172.240; 13.W.172.244; 13.W.175.228; 13.W.175.229;
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13.W.175.172; 13.W.175.175; 13.W.175.240; 13.W.175.244; 13.W.240.228;
30 13.W.240.229; 13.W.240.230; 13.W.240.231; 13.W.240.236; 13.W.240.237;
13.W.240.238; 13.W.240.239; 13.W.240.154; 13.W.240.157; 13.W.240.166;

13.W.240.169; 13.W.240.172; 13.W.240.175; 13.W.240.240; 13.W.240.244;
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13.W.244.166; 13.W.244.169; 13.W.244.172; 13.W.244.175; 13.W.244.240;
5 13.W.244.244;

Prodrugs of 13.Y

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10 13.Y.228.166; 13.Y.228.169; 13.Y.228.172; 13.Y.228.175; 13.Y.228.240;
13.Y.228.244; 13.Y.229.228; 13.Y.229.229; 13.Y.229.230; 13.Y.229.231;
13.Y.229.236; 13.Y.229.237; 13.Y.229.238; 13.Y.229.239; 13.Y.229.154;
13.Y.229.157; 13.Y.229.166; 13.Y.229.169; 13.Y.229.172; 13.Y.229.175;
13.Y.229.240; 13.Y.229.244; 13.Y.230.228; 13.Y.230.229; 13.Y.230.230;
15 13.Y.230.231; 13.Y.230.236; 13.Y.230.237; 13.Y.230.238; 13.Y.230.239;
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13.Y.231.239; 13.Y.231.154; 13.Y.231.157; 13.Y.231.166; 13.Y.231.169;
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25 13.Y.237.237; 13.Y.237.238; 13.Y.237.239; 13.Y.237.154; 13.Y.237.157;
13.Y.237.166; 13.Y.237.169; 13.Y.237.172; 13.Y.237.175; 13.Y.237.240;
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- 13.Y.239.154; 13.Y.239.157; 13.Y.239.166; 13.Y.239.169; 13.Y.239.172;
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13.Y.240.169; 13.Y.240.172; 13.Y.240.175; 13.Y.240.240; 13.Y.240.244;
25 13.Y.244.228; 13.Y.244.229; 13.Y.244.230; 13.Y.244.231; 13.Y.244.236;
13.Y.244.237; 13.Y.244.238; 13.Y.244.239; 13.Y.244.154; 13.Y.244.157;
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13.Y.244.244;

Prodrugs of 14.AH

- 14.AH.4.157; 14.AH.4.158; 14.AH.4.196; 14.AH.4.223; 14.AH.4.240;
14.AH.4.244; 14.AH.4.243; 14.AH.4.247; 14.AH.5.157; 14.AH.5.158;
5 14.AH.5.196; 14.AH.5.223; 14.AH.5.240; 14.AH.5.244; 14.AH.5.243;
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10 14.AH.16.223; 14.AH.16.240; 14.AH.16.244; 14.AH.16.243; 14.AH.16.247;
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15 14.AH.27.240; 14.AH.27.244; 14.AH.27.243; 14.AH.27.247; 14.AH.29.157;
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25 14.AH.196.223; 14.AH.196.240; 14.AH.196.244; 14.AH.196.243;
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Prodrugs of 14.AP

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14.CO.54.223; 14.CO.54.240; 14.CO.54.244; 14.CO.54.243; 14.CO.54.247;
14.CO.55.157; 14.CO.55.158; 14.CO.55.196; 14.CO.55.223; 14.CO.55.240;
14.CO.55.244; 14.CO.55.243; 14.CO.55.247; 14.CO.56.157; 14.CO.56.158;
25 14.CO.56.196; 14.CO.56.223; 14.CO.56.240; 14.CO.56.244; 14.CO.56.243;
14.CO.56.247; 14.CO.157.157; 14.CO.157.158; 14.CO.157.196;
14.CO.157.223; 14.CO.157.240; 14.CO.157.244; 14.CO.157.243;
14.CO.157.247; 14.CO.196.157; 14.CO.196.158; 14.CO.196.196;
14.CO.196.223; 14.CO.196.240; 14.CO.196.244; 14.CO.196.243;
30 14.CO.196.247; 14.CO.223.157; 14.CO.223.158; 14.CO.223.196;
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- 14.CO.240.223; 14.CO.240.240; 14.CO.240.244; 14.CO.240.243;
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5 14.CO.4.240; 14.CO.4.244; 14.CO.4.243; 14.CO.4.247;

All literature and patent citations herein are hereby expressly incorporated by reference at the locations of their citation. Specifically cited sections or pages of the above cited works are incorporated by reference with
10 specificity. The invention has been described in detail sufficient to allow one of ordinary skill in the art to make and use the subject matter of the following claims. It is apparent that certain modifications of the methods and compositions of the following claims can be made within the scope and spirit of the invention.

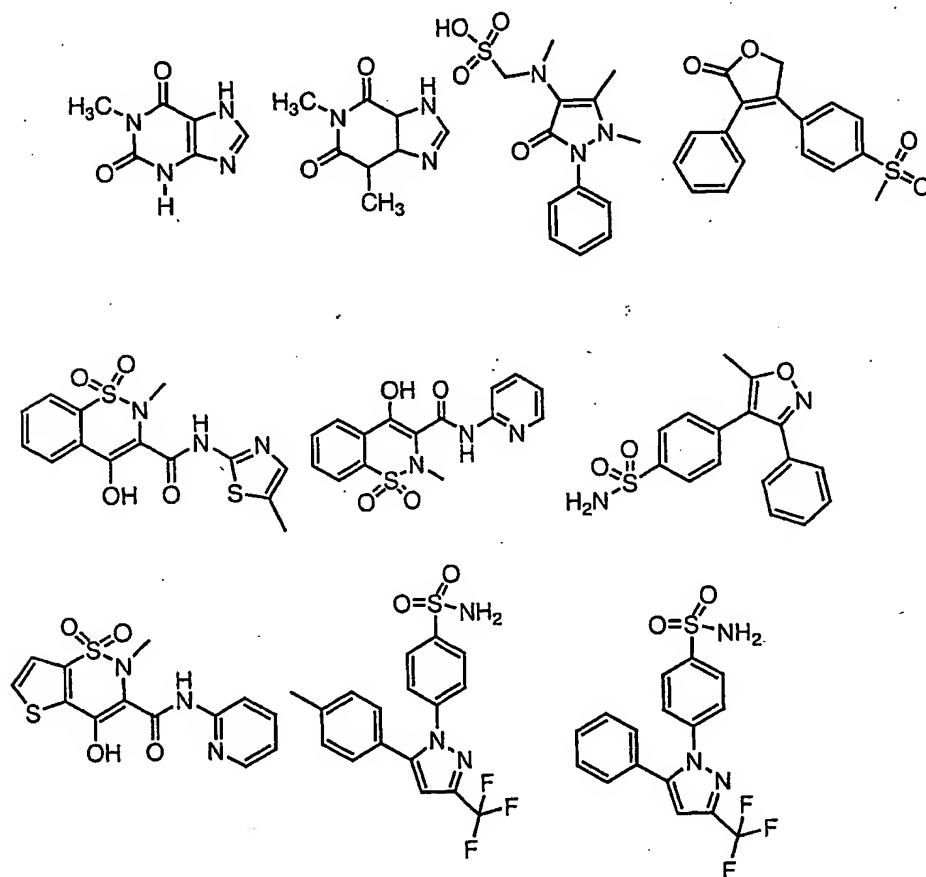
- 15 ; In the claims hereinbelow, the subscript and superscripts of a given variable are distinct. For example, R_1 is distinct from R^1 .

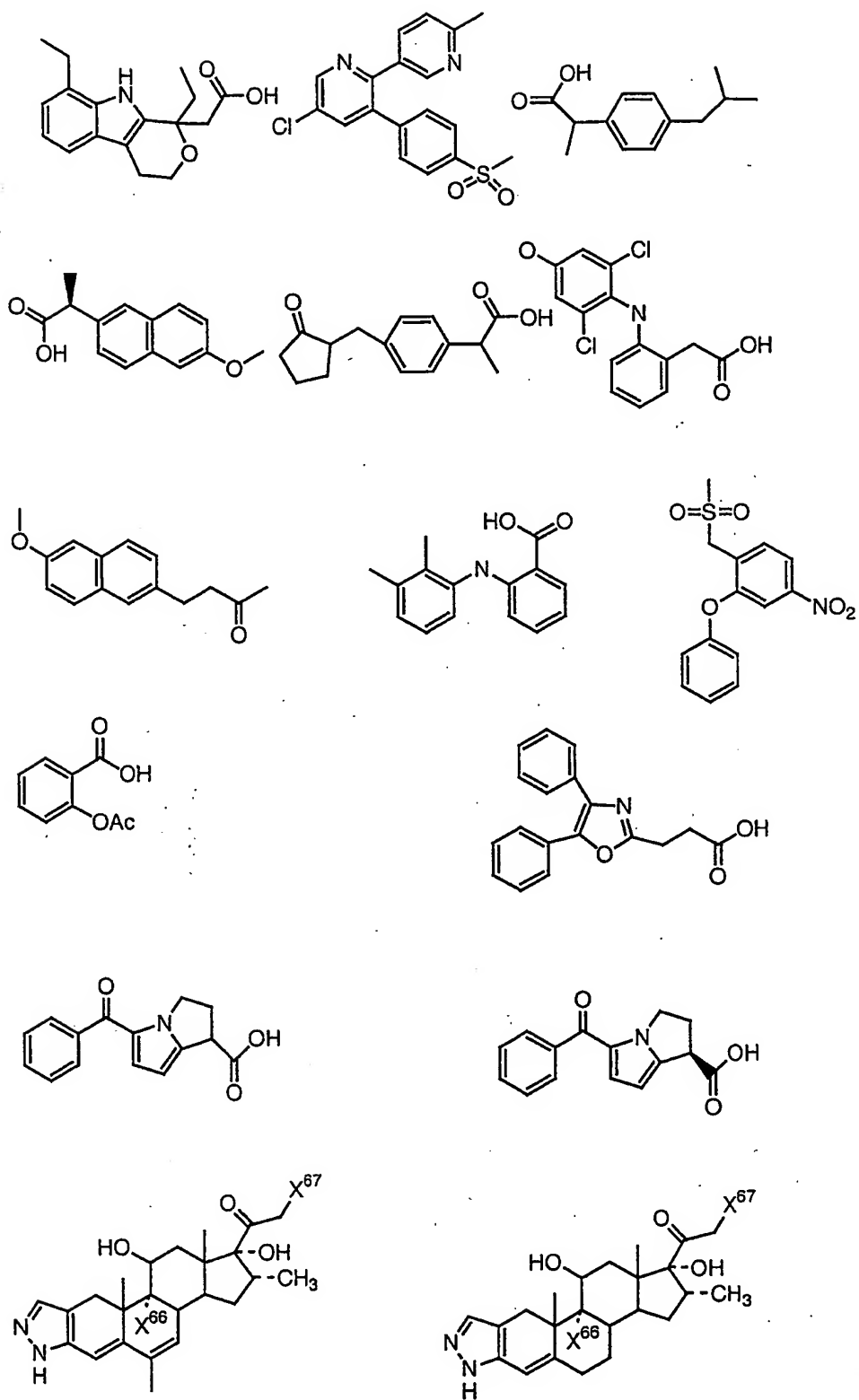
Claims

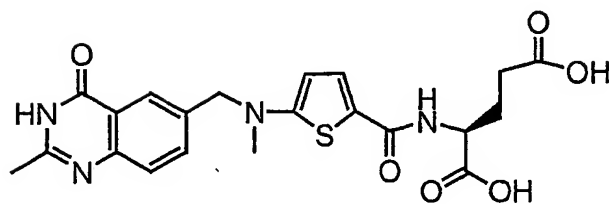
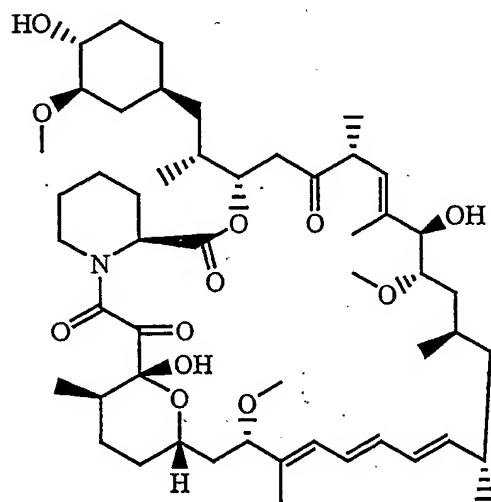
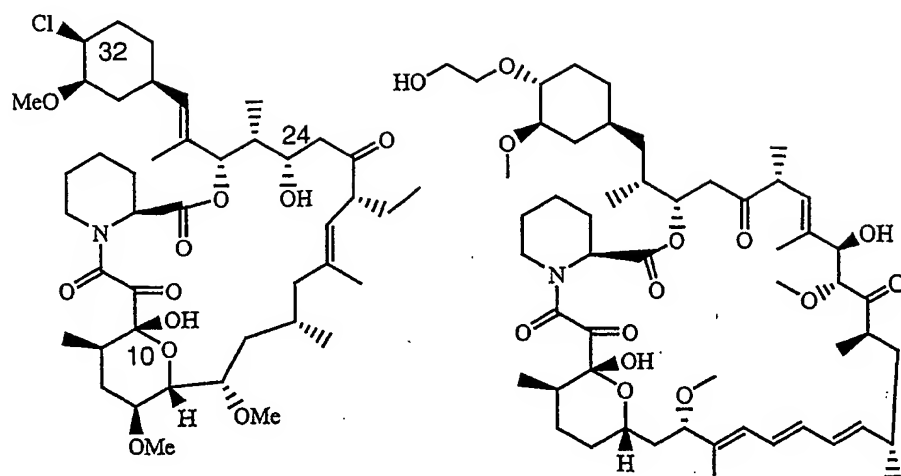
We claim:

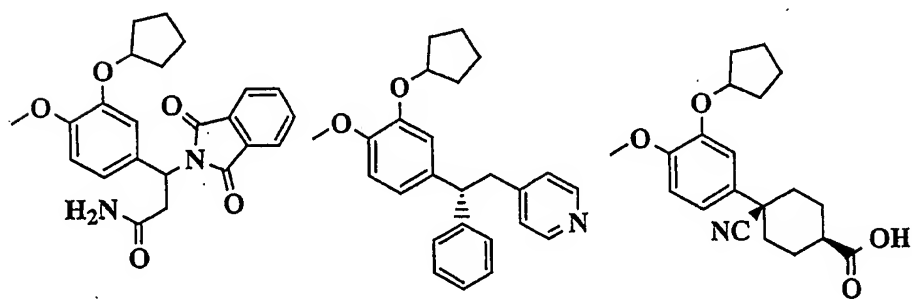
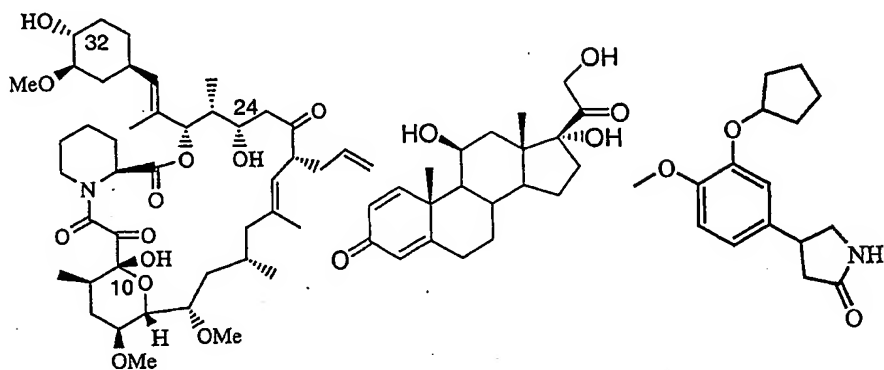
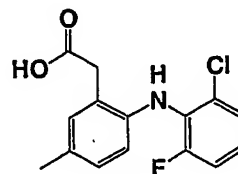
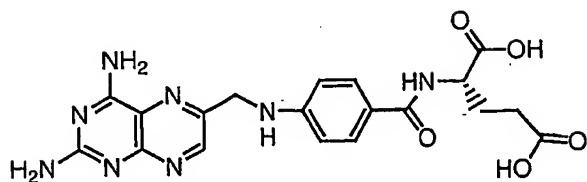
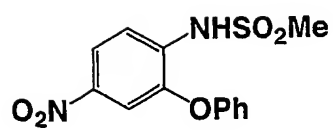
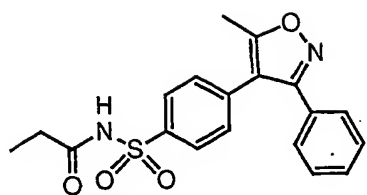
1. A conjugate comprising a therapeutic compound linked to one or more phosphonate groups; or a pharmaceutically acceptable salt or solvate thereof.
2. The conjugate of claim 1 wherein the therapeutic compound is an anti-inflammatory compound.
3. The conjugate of claim 1 wherein the therapeutic compound is a purine nucleoside phosphorylase inhibitor.
4. The conjugate of claim 1 wherein the therapeutic compound is an anti-cancer compound.
5. The conjugate of claim 1 wherein the therapeutic compound is active against immune-mediated conditions.
6. The conjugate of claim 1 wherein the therapeutic compound is active against metabolic diseases.
7. The conjugate of claim 1 wherein the therapeutic compound is an antiviral compound.
8. The conjugate of claim 1 wherein the therapeutic compound is a nucleoside or nucleoside analog.
9. The conjugate of claim 1 wherein the therapeutic compound is a kinase inhibitor.
10. The conjugate of claim 1 wherein the therapeutic compound is an antimetabolite.

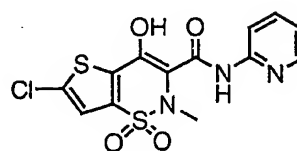
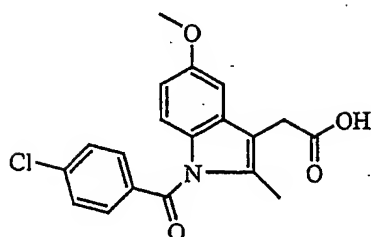
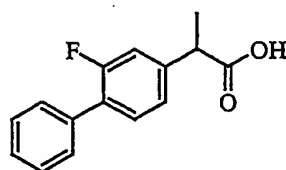
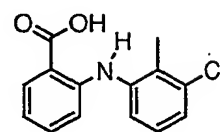
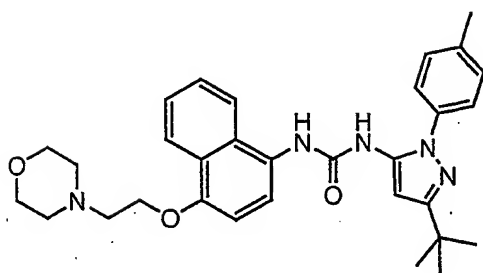
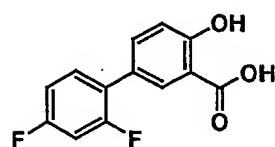
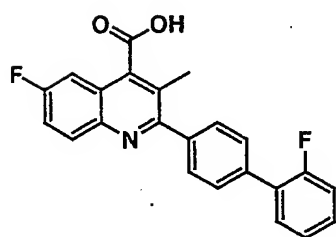
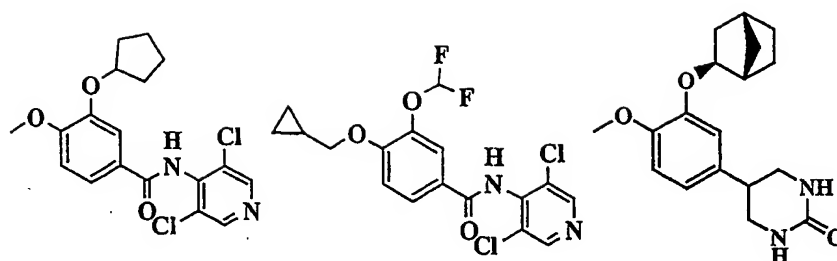
11. The conjugate of claim 1 wherein the therapeutic compound is an IMPDH inhibitor.
12. The conjugate of claim 1 wherein the therapeutic compound is an anti-infective compound.
13. The conjugate of claim 1, or a pharmaceutically acceptable salt or solvate thereof, which is a compound of one of the following formulae:

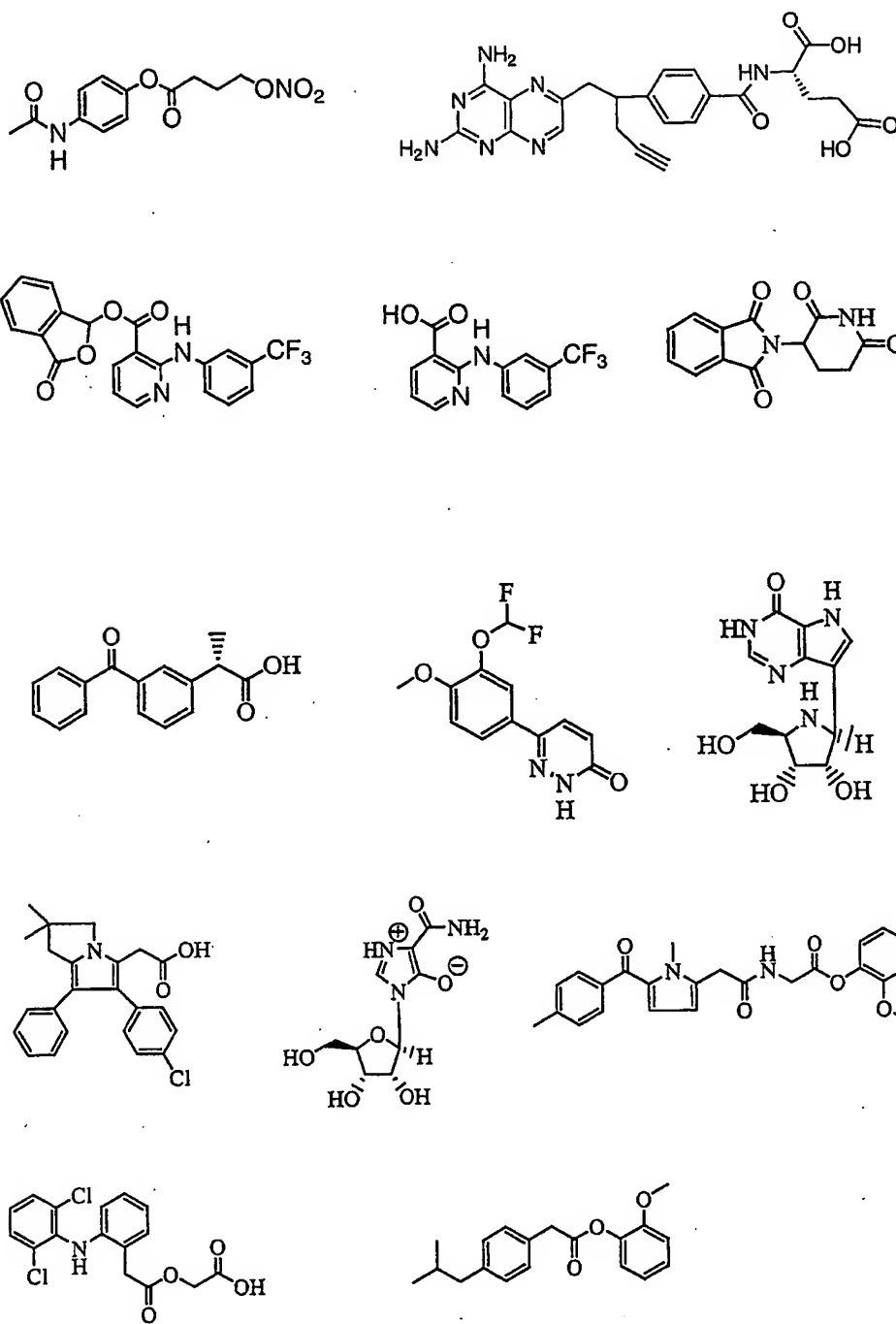


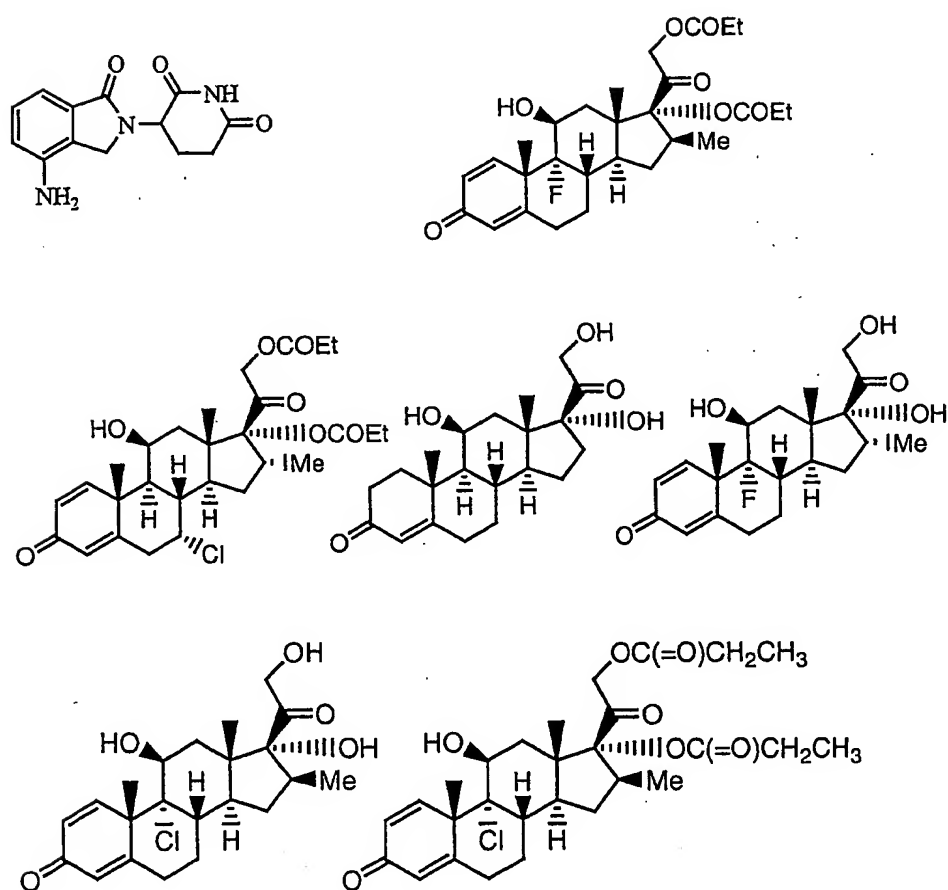
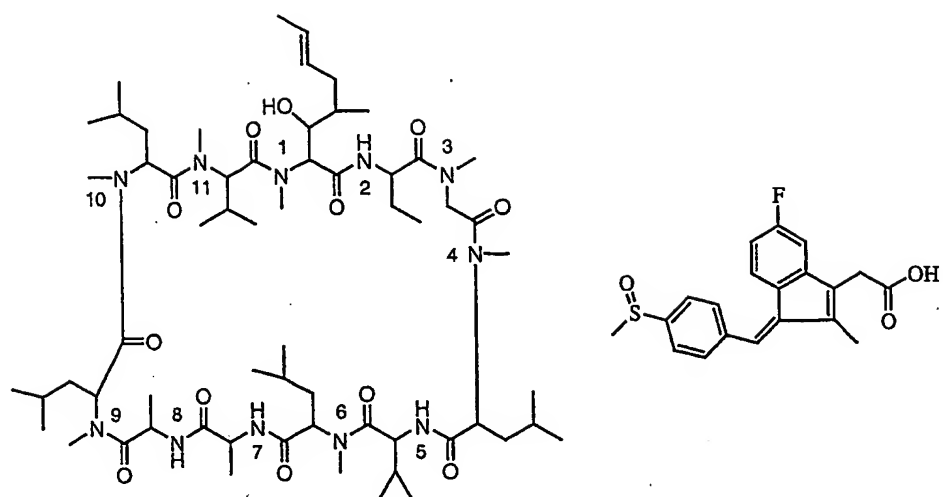


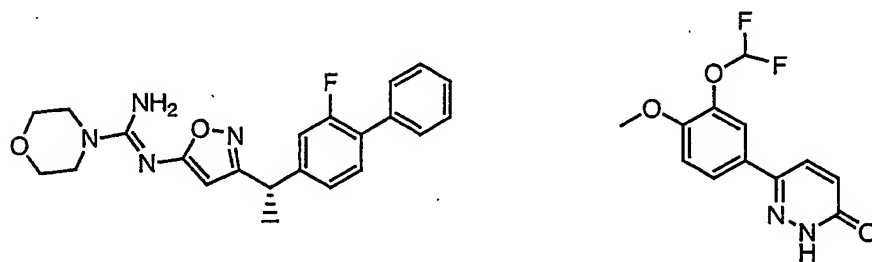
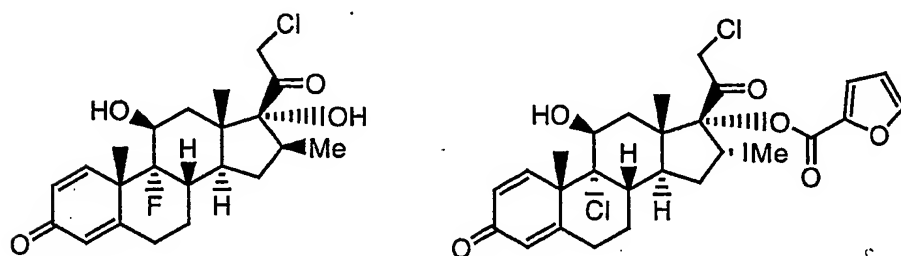
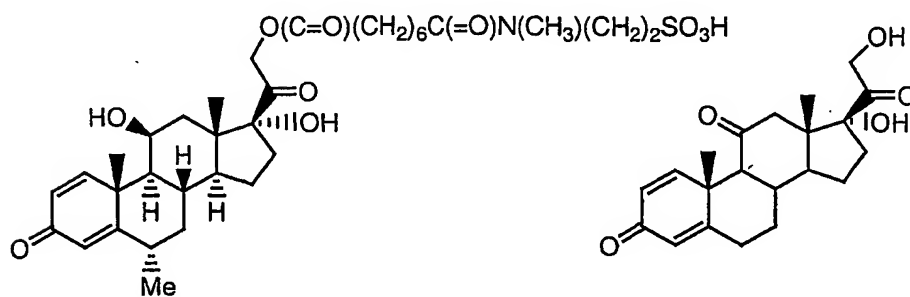
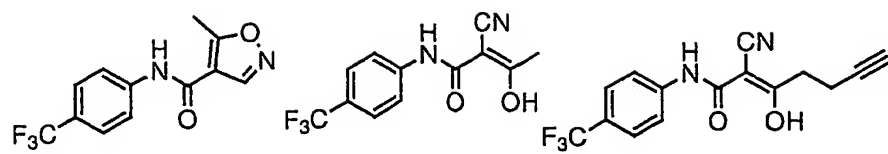


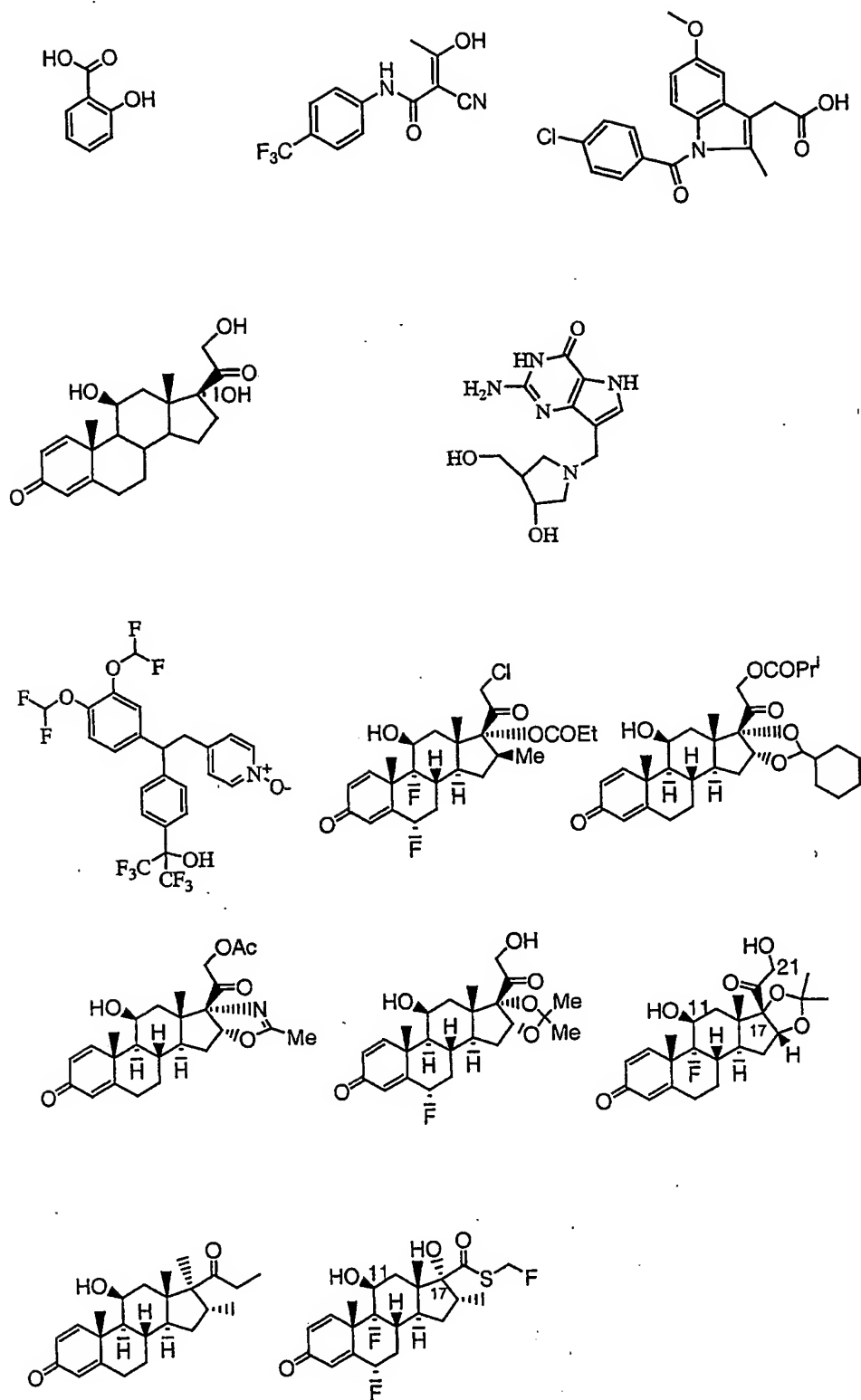


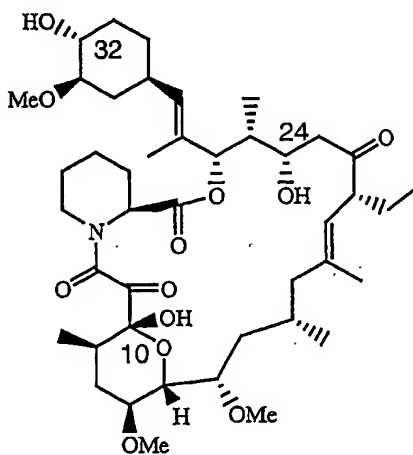
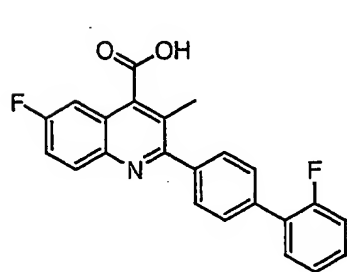
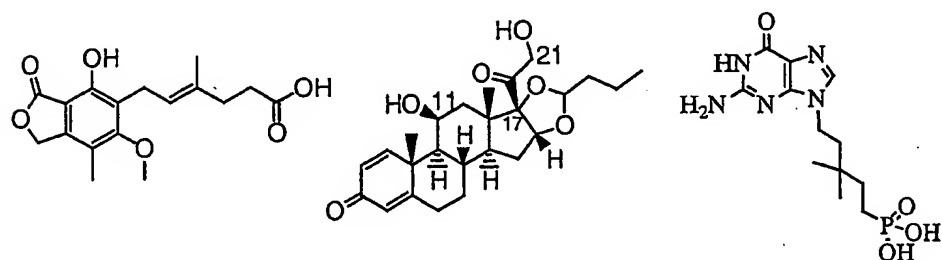
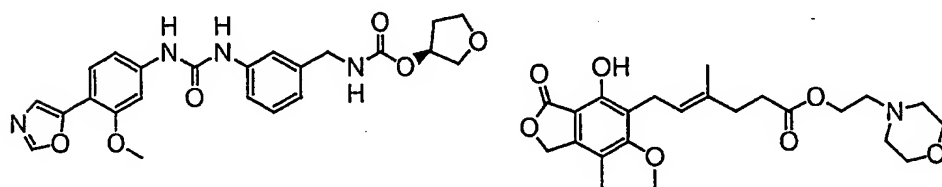
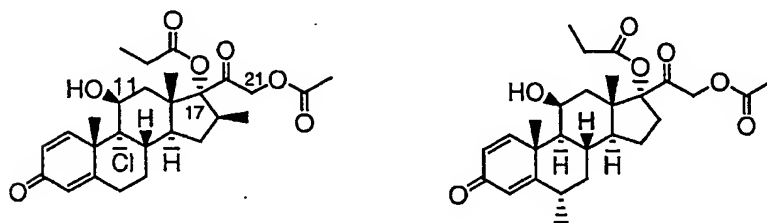
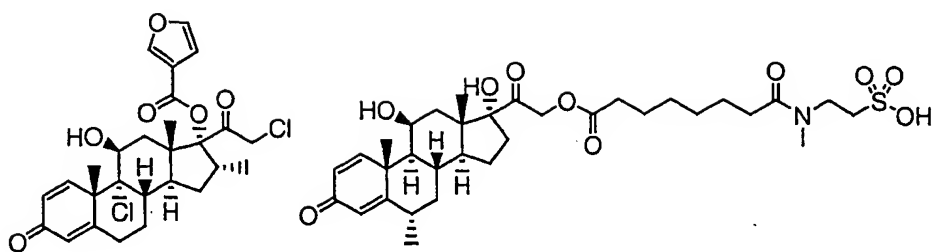


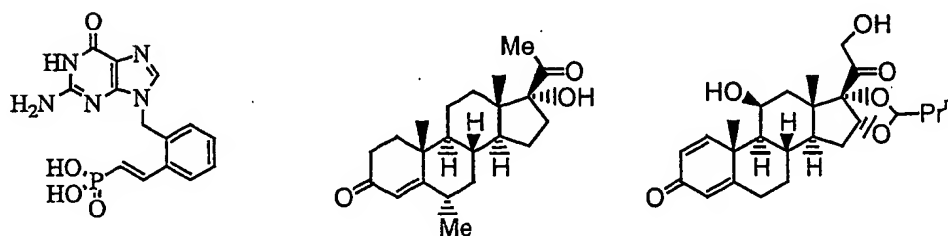
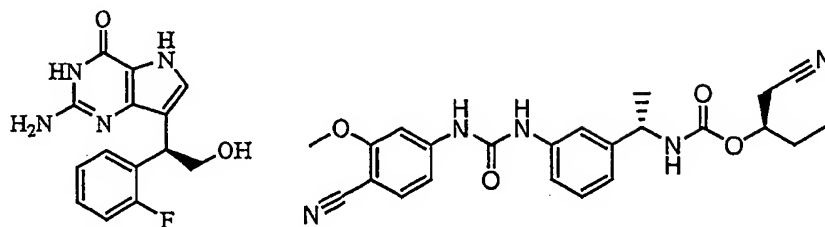
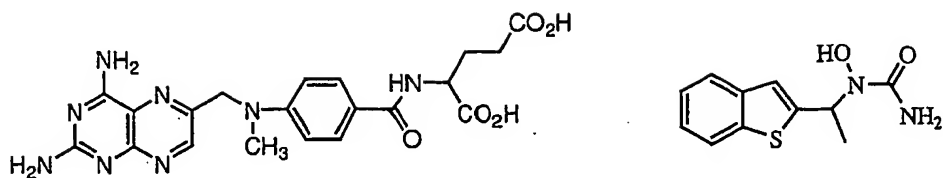








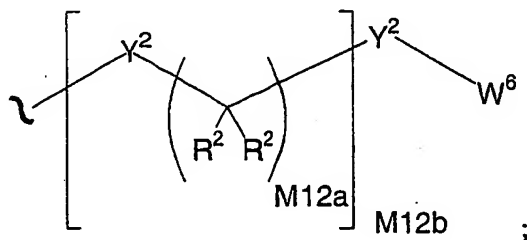




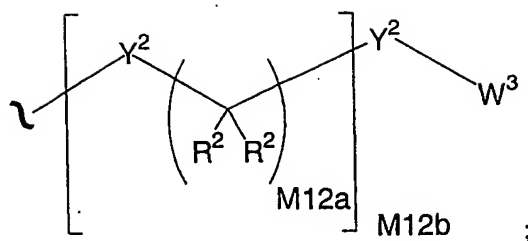
that is substituted with one or more groups A^0 , wherein:

A^0 is A^1 , A^2 or W^3 with the proviso that the conjugate includes at least one A^1 ;

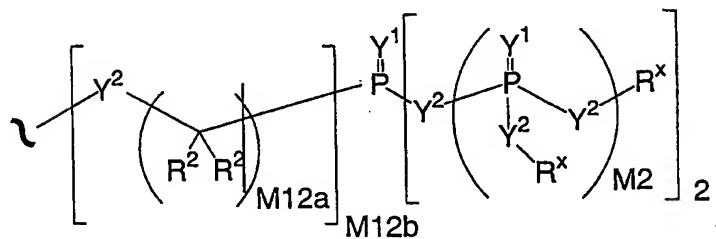
A^1 is:



A^2 is:



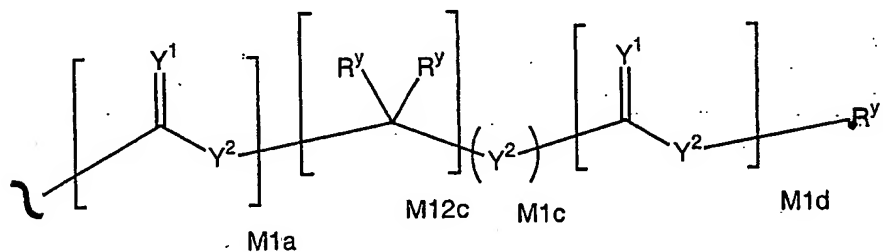
A³ is:



Y¹ is independently O, S, N(R^x), N(O)(R^x), N(OR^x), N(O)(OR^x), or N(N(R^x)(R^x));

Y² is independently a bond, O, N(R^x), N(O)(R^x), N(OR^x), N(O)(OR^x), N(N(R^x)(R^x)), -S(O)_{M2}-, or -S(O)_{M2}-S(O)_{M2}-; and when Y² joins two phosphorous atoms Y² can also be C(R²)(R²);

R^x is independently H, R¹, R², W³, a protecting group, or the formula:



wherein:

R^y is independently H, W³, R² or a protecting group;

R¹ is independently H or alkyl of 1 to 18 carbon atoms;

R² is independently H, R¹, R³ or R⁴ wherein each R⁴ is independently substituted with 0 to 3 R³ groups or taken together at a carbon atom, two R² groups form a ring of 3 to 8 carbons and the ring may be substituted with 0 to 3 R³ groups;

R³ is R^{3a}, R^{3b}, R^{3c} or R^{3d}, provided that when R³ is bound to a heteroatom, then R³ is R^{3c} or R^{3d};

R^{3a} is F, Cl, Br, I, -CN, N₃ or -NO₂;

R^{3b} is Y^1 ;

R^{3c} is $-R^x$, $-N(R^x)(R^x)$, $-SR^x$, $-S(O)R^x$, $-S(O)_2R^x$, $-S(O)(OR^x)$, $-S(O)_2(OR^x)$, $-OC(Y^1)R^x$, $-OC(Y^1)OR^x$, $-OC(Y^1)(N(R^x)(R^x))$, $-SC(Y^1)R^x$, $-SC(Y^1)OR^x$, $-SC(Y^1)(N(R^x)(R^x))$, $-N(R^x)C(Y^1)R^x$, $-N(R^x)C(Y^1)OR^x$, or $-N(R^x)C(Y^1)(N(R^x)(R^x))$;

R^{3d} is $-C(Y^1)R^x$, $-C(Y^1)OR^x$ or $-C(Y^1)(N(R^x)(R^x))$;

R^4 is an alkyl of 1 to 18 carbon atoms, alkenyl of 2 to 18 carbon atoms, or alkynyl of 2 to 18 carbon atoms;

R^5 is R^4 wherein each R^4 is substituted with 0 to 3 R^3 groups;

W^3 is W^4 or W^5 ;

W^4 is R^5 , $-C(Y^1)R^5$, $-C(Y^1)W^5$, $-SO_{M2}R^5$, or $-SO_{M2}W^5$;

W^5 is carbocycle or heterocycle wherein W^5 is independently substituted with 0 to 3 R^2 groups;

W^6 is W^3 independently substituted with 1, 2, or 3 A^3 groups;

$M2$ is 0, 1 or 2;

$M12a$ is 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

$M12b$ is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

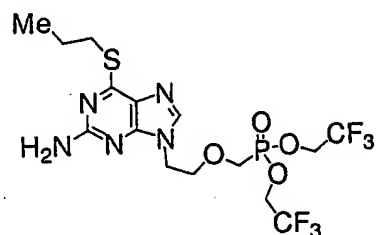
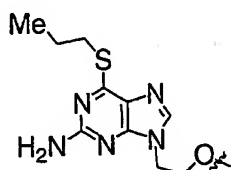
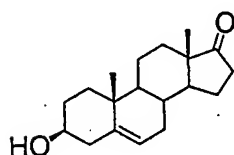
$M1a$, $M1c$, and $M1d$ are independently 0 or 1;

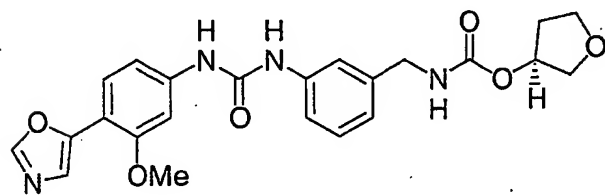
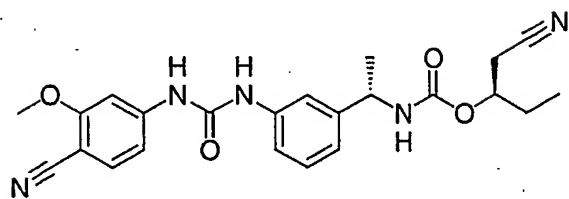
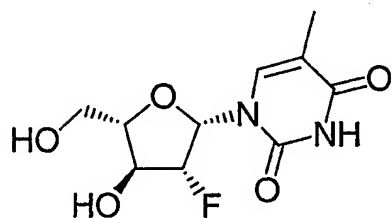
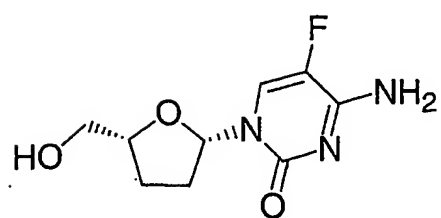
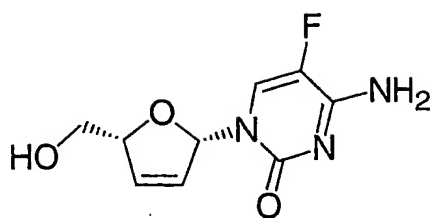
$M12c$ is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

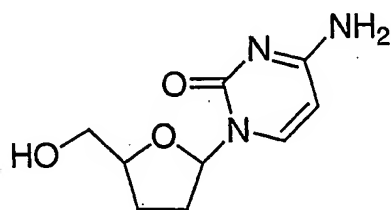
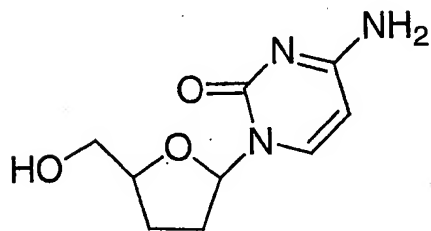
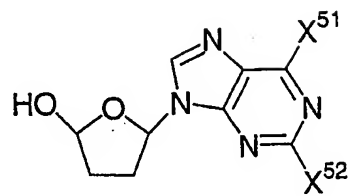
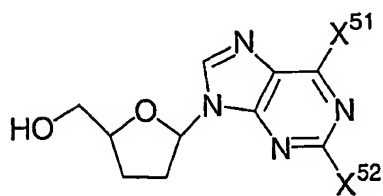
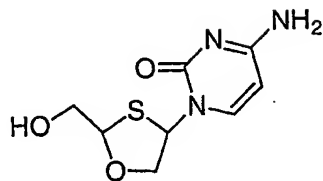
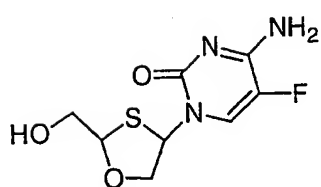
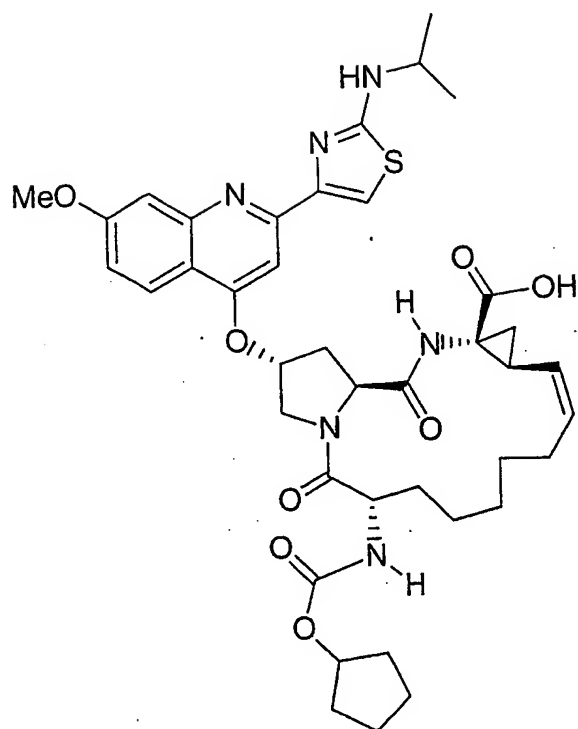
X^{66} is hydrogen or fluorine; and

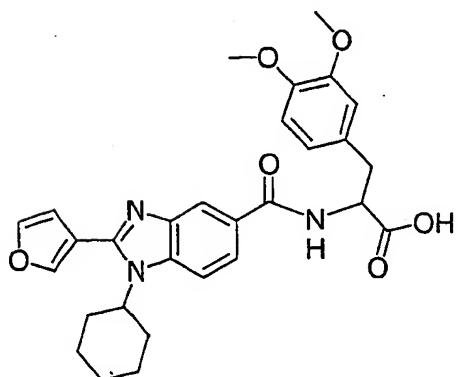
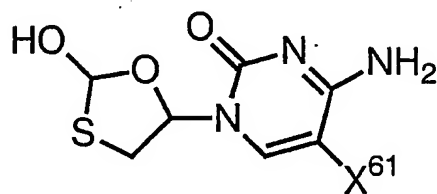
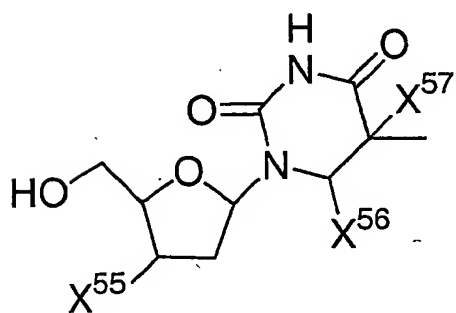
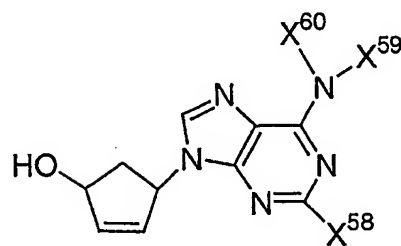
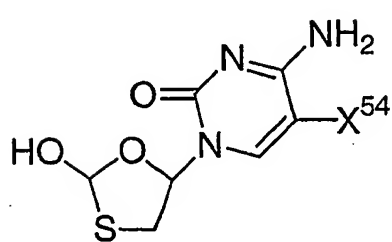
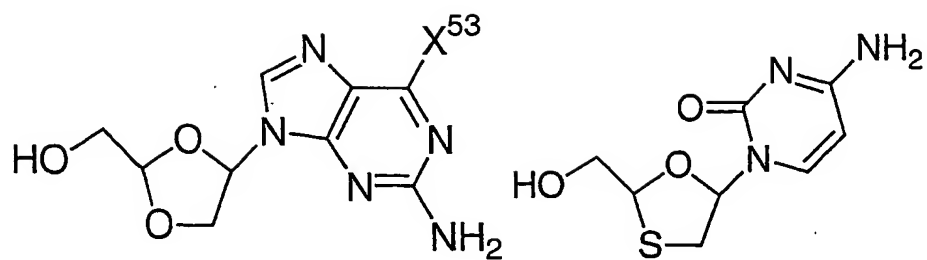
X^{67} is hydrogen, hydroxy, or acyloxy.

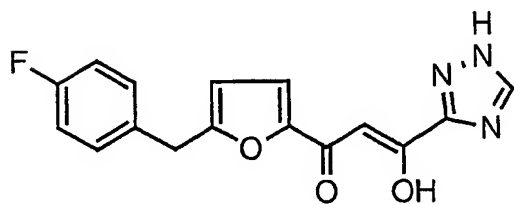
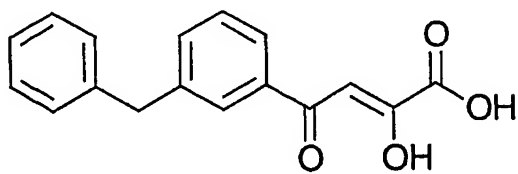
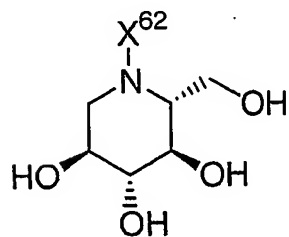
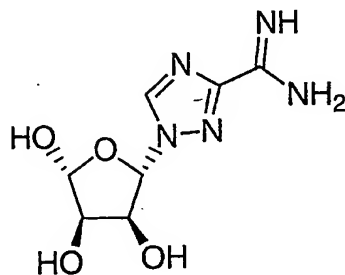
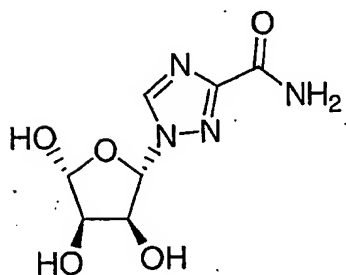
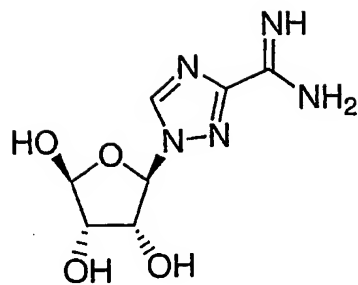
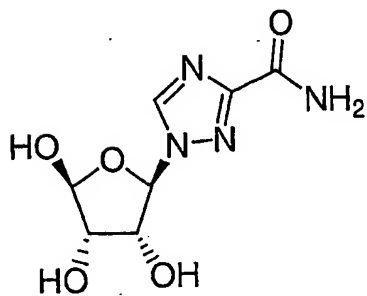
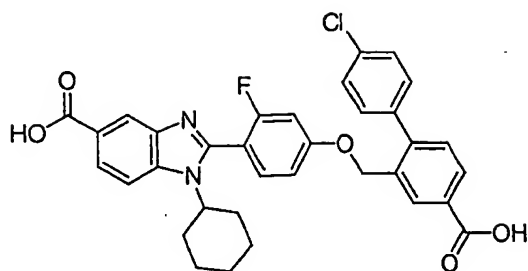
14. The conjugate of claim 1, or a pharmaceutically acceptable salt or solvate thereof, which is a compound of one of the following formulae:

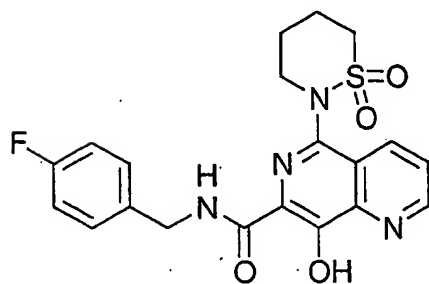
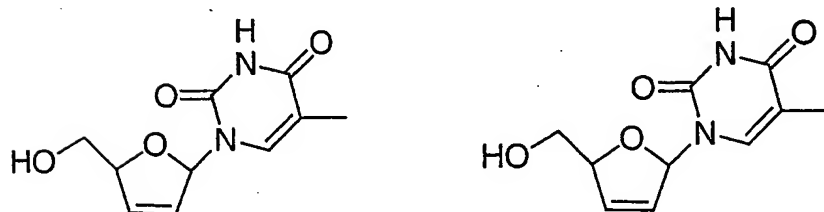
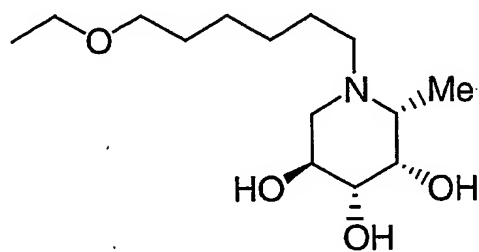
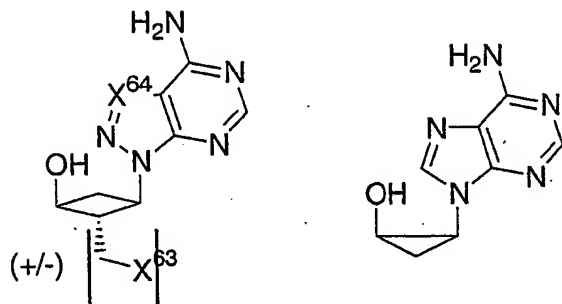
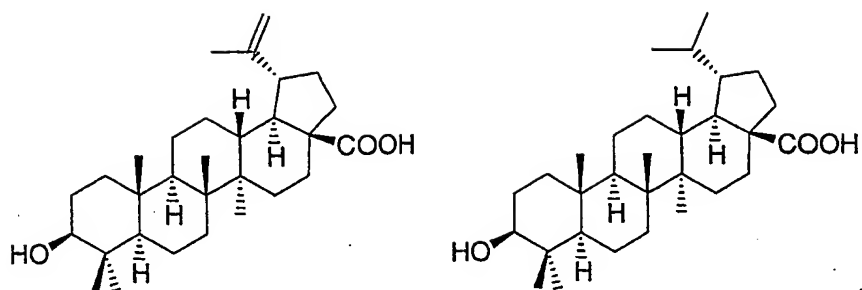


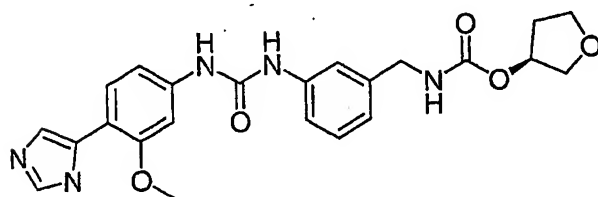
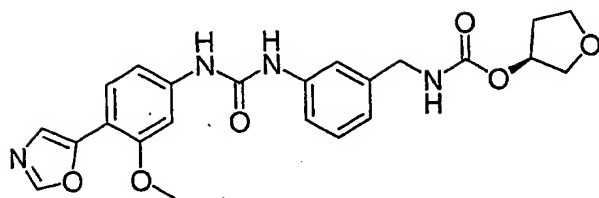
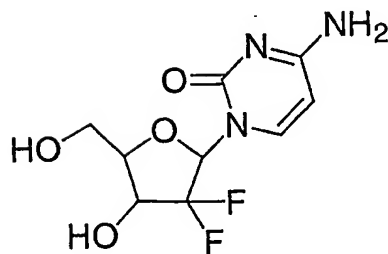
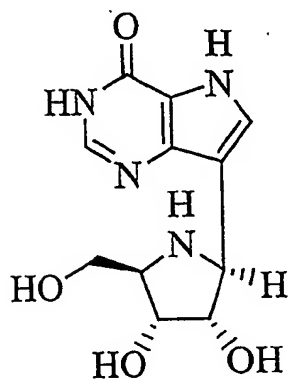
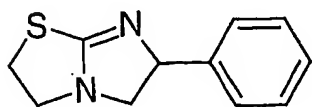
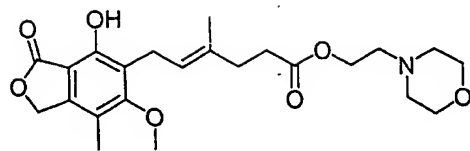
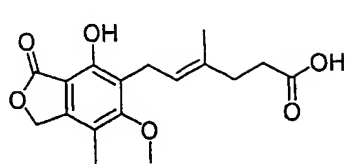








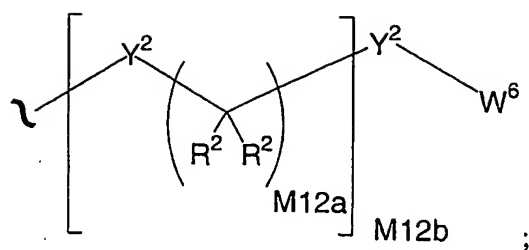




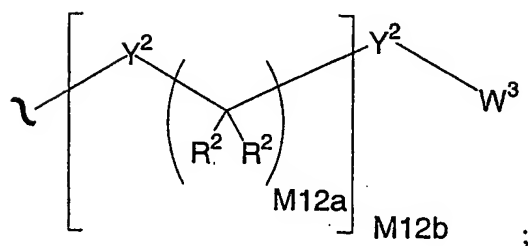
that is substituted with one or more groups A^0 , wherein:

A^0 is A^1 , A^2 or W^3 with the proviso that the conjugate includes at least one A^1 ;

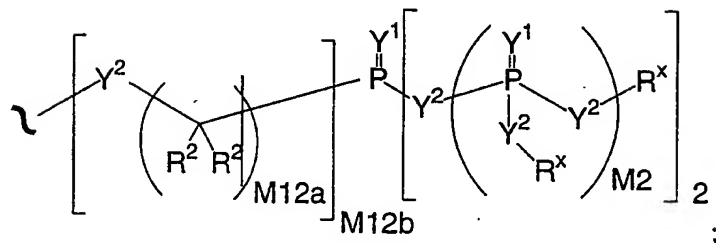
A^1 is:



A² is:



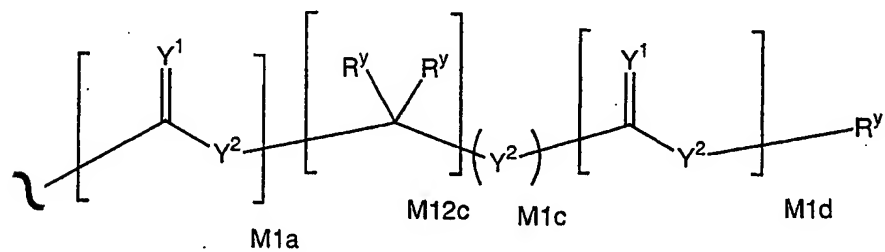
A³ is:



Y¹ is independently O, S, N(R^x), N(O)(R^x), N(OR^x), N(O)(OR^x), or N(N(R^x)(R^x));

Y² is independently a bond, O, N(R^x), N(O)(R^x), N(OR^x), N(O)(OR^x), N(N(R^x)(R^x)), -S(O)_{M2}-, or -S(O)_{M2}-S(O)_{M2}-; and when Y² joins two phosphorous atoms Y² can also be C(R²)(R²);

R^x is independently H, R¹, R², W³, a protecting group, or the formula:



wherein:

R^y is independently H, W³, R² or a protecting group;

R¹ is independently H or alkyl of 1 to 18 carbon atoms;

R^2 is independently H, R^1 , R^3 or R^4 wherein each R^4 is independently substituted with 0 to 3 R^3 groups or taken together at a carbon atom, two R^2 groups form a ring of 3 to 8 carbons and the ring may be substituted with 0 to 3 R^3 groups;

R^3 is R^{3a} , R^{3b} , R^{3c} or R^{3d} , provided that when R^3 is bound to a heteroatom, then R^3 is R^{3c} or R^{3d} ;

R^{3a} is F, Cl, Br, I, -CN, N_3 or -NO₂;

R^{3b} is Y^1 ;

R^{3c} is - R^x , - $N(R^x)(R^x)$, - SR^x , - $S(O)R^x$, - $S(O)_2R^x$, - $S(O)(OR^x)$, - $S(O)_2(OR^x)$, - $OC(Y^1)R^x$, - $OC(Y^1)OR^x$, - $OC(Y^1)(N(R^x)(R^x))$, - $SC(Y^1)R^x$, - $SC(Y^1)OR^x$, - $SC(Y^1)(N(R^x)(R^x))$, - $N(R^x)C(Y^1)R^x$, - $N(R^x)C(Y^1)OR^x$, or - $N(R^x)C(Y^1)(N(R^x)(R^x))$;

R^{3d} is - $C(Y^1)R^x$, - $C(Y^1)OR^x$ or - $C(Y^1)(N(R^x)(R^x))$;

R^4 is an alkyl of 1 to 18 carbon atoms, alkenyl of 2 to 18 carbon atoms, or alkynyl of 2 to 18 carbon atoms;

R^5 is R^4 wherein each R^4 is substituted with 0 to 3 R^3 groups;

W^3 is W^4 or W^5 ;

W^4 is R^5 , - $C(Y^1)R^5$, - $C(Y^1)W^5$, - $SO_{M2}R^5$, or - $SO_{M2}W^5$;

W^5 is carbocycle or heterocycle wherein W^5 is independently substituted with 0 to 3 R^2 groups;

W^6 is W^3 independently substituted with 1, 2, or 3 A^3 groups;

$M2$ is 0, 1 or 2;

$M12a$ is 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

$M12b$ is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

$M1a$, $M1c$, and $M1d$ are independently 0 or 1;

$M12c$ is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

X^{51} is OH, Cl, NH₂, H, Me, or MeO;

X^{52} is H or NH₂;

X^{53} is OH, Cl, NH₂, or H;

X^{54} is H or F;

X^{55} is H, N_3 , NH₂, or NHAc;

X^{56} is alkyloxy, aryloxy, haloalkyloxy, alkenyloxy, aralyloxy;

X^{57} is a halo;

NH-alkyl;

X^{59} and X^{60} are independently H, alkyl, or cyclopropyl;

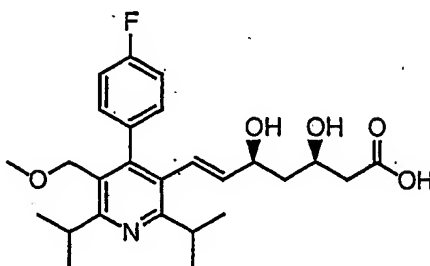
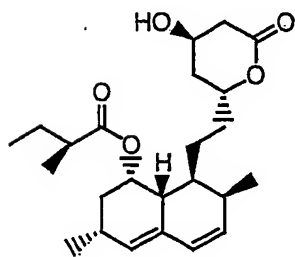
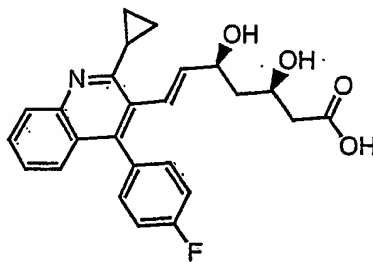
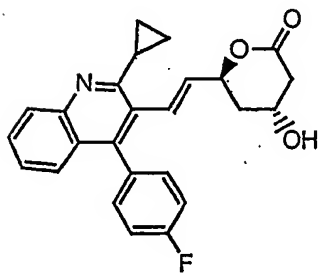
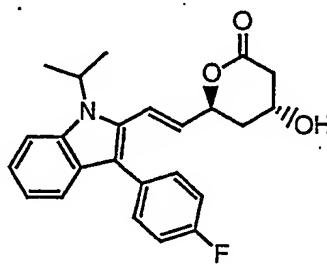
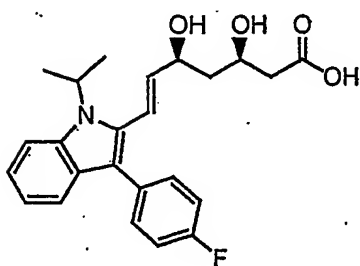
X^{61} is H or F;

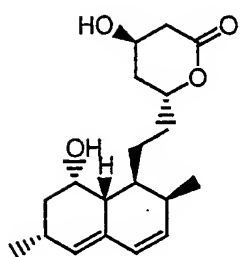
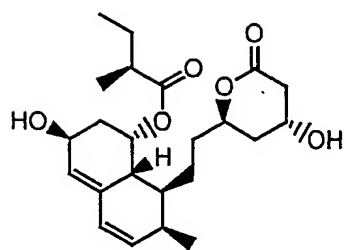
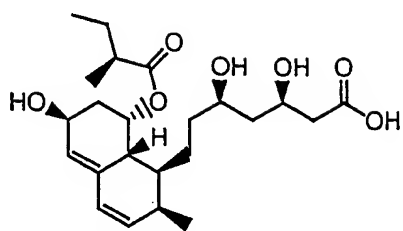
X^{62} is H or alkyl of 1 to 18 carbon atoms;

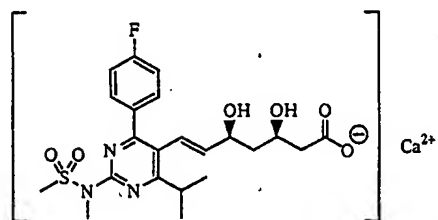
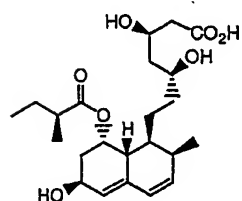
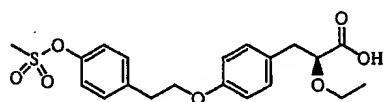
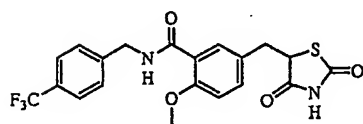
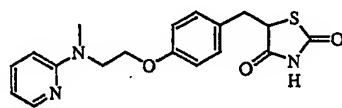
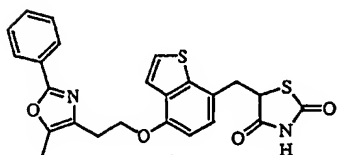
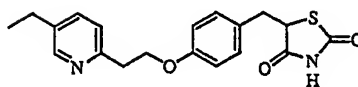
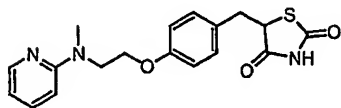
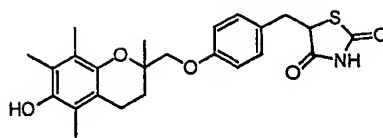
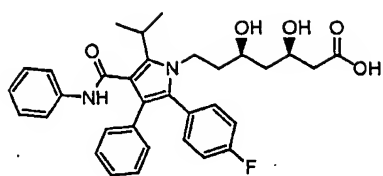
X^{63} is OH, F, or cyano; and

X^{64} is N or CH.

15. The conjugate of claim 1, or a pharmaceutically acceptable salt or solvate thereof, which is a compound of one of the following formulae:



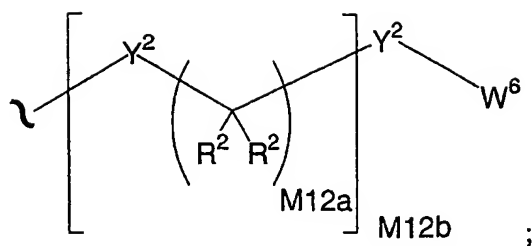




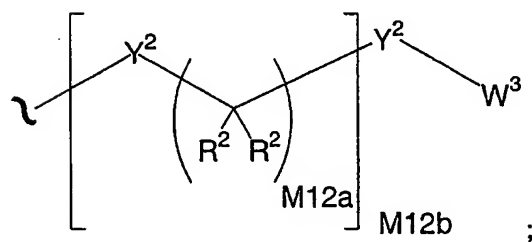
that is substituted with one or more groups A^0 , wherein:

A^0 is A^1 , A^2 or W^3 with the proviso that the conjugate includes at least one A^1 ;

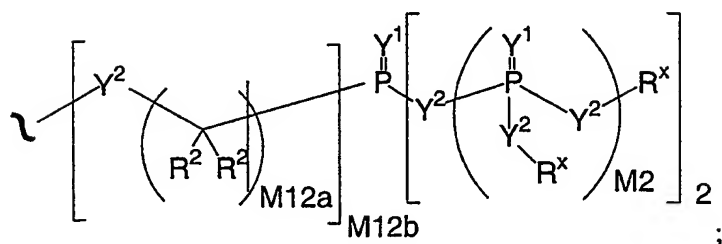
A^1 is:



A² is:



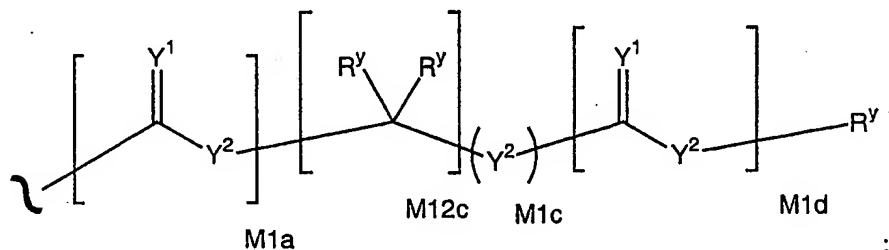
A³ is:



Y¹ is independently O, S, N(R^x), N(O)(R^x), N(OR^x), N(O)(OR^x), or N(N(R^x)(R^x));

Y² is independently a bond, O, N(R^x), N(O)(R^x), N(OR^x), N(O)(OR^x), N(N(R^x)(R^x)), -S(O)_{M2}-, or -S(O)_{M2}-S(O)_{M2}-; and when Y² joins two phosphorous atoms Y² can also be C(R²)(R²);

R^x is independently H, R¹, R², W³, a protecting group, or the formula:



wherein:

R^y is independently H, W³, R² or a protecting group;

R¹ is independently H or alkyl of 1 to 18 carbon atoms;

R^2 is independently H, R^1 , R^3 or R^4 wherein each R^4 is independently substituted with 0 to 3 R^3 groups or taken together at a carbon atom, two R^2 groups form a ring of 3 to 8 carbons and the ring may be substituted with 0 to 3 R^3 groups;

R^3 is R^{3a} , R^{3b} , R^{3c} or R^{3d} , provided that when R^3 is bound to a heteroatom, then R^3 is R^{3c} or R^{3d} ;

R^{3a} is F, Cl, Br, I, -CN, N_3 or $-NO_2$;

R^{3b} is Y^1 ;

R^{3c} is $-R^x$, $-N(R^x)(R^x)$, $-SR^x$, $-S(O)R^x$, $-S(O)_2R^x$, $-S(O)(OR^x)$, $-S(O)_2(OR^x)$, $-OC(Y^1)R^x$, $-OC(Y^1)OR^x$, $-OC(Y^1)(N(R^x)(R^x))$, $-SC(Y^1)R^x$, $-SC(Y^1)OR^x$, $-SC(Y^1)(N(R^x)(R^x))$, $-N(R^x)C(Y^1)R^x$, $-N(R^x)C(Y^1)OR^x$, or $-N(R^x)C(Y^1)(N(R^x)(R^x))$;

R^{3d} is $-C(Y^1)R^x$, $-C(Y^1)OR^x$ or $-C(Y^1)(N(R^x)(R^x))$;

R^4 is an alkyl of 1 to 18 carbon atoms, alkenyl of 2 to 18 carbon atoms, or alkynyl of 2 to 18 carbon atoms;

R^5 is R^4 wherein each R^4 is substituted with 0 to 3 R^3 groups;

W^3 is W^4 or W^5 ;

W^4 is R^5 , $-C(Y^1)R^5$, $-C(Y^1)W^5$, $-SO_{M2}R^5$, or $-SO_{M2}W^5$;

W^5 is carbocycle or heterocycle wherein W^5 is independently substituted with 0 to 3 R^2 groups;

W^6 is W^3 independently substituted with 1, 2, or 3 A^3 groups;

$M2$ is 0, 1 or 2;

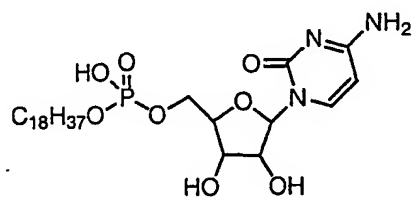
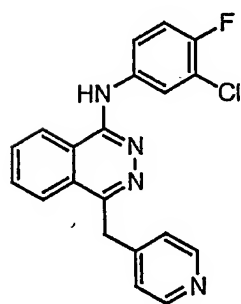
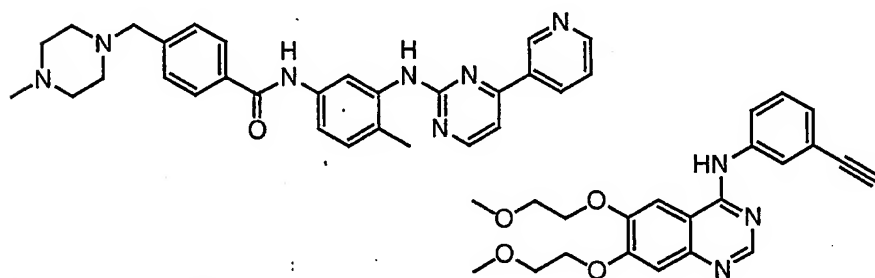
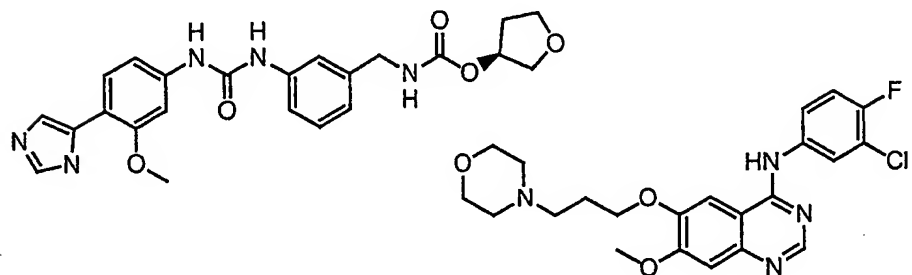
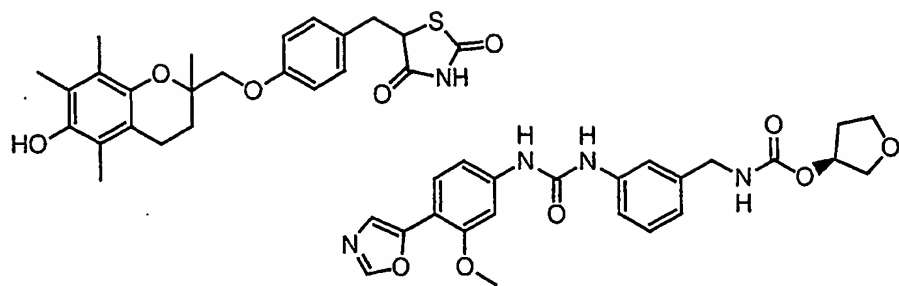
$M12a$ is 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

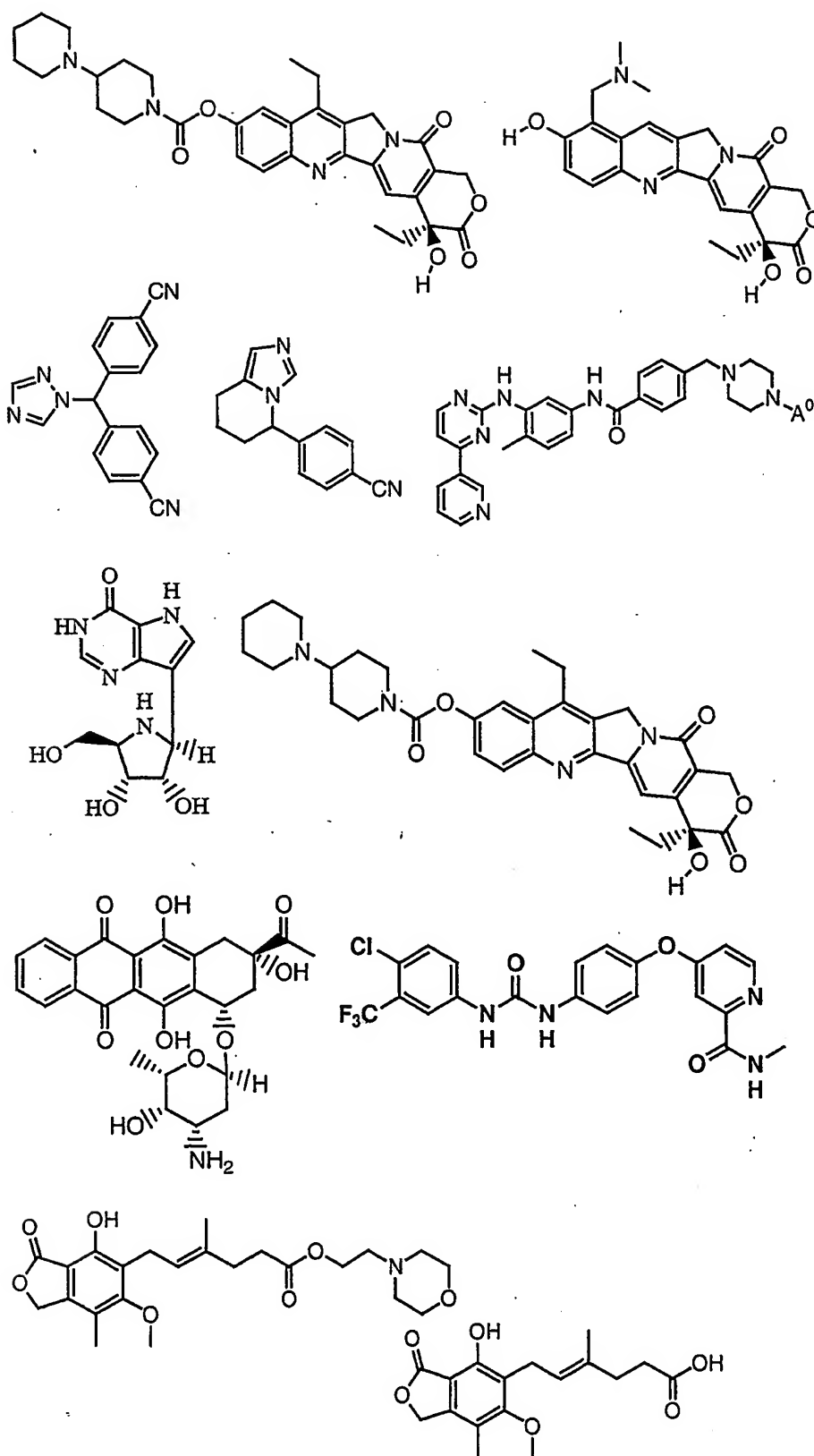
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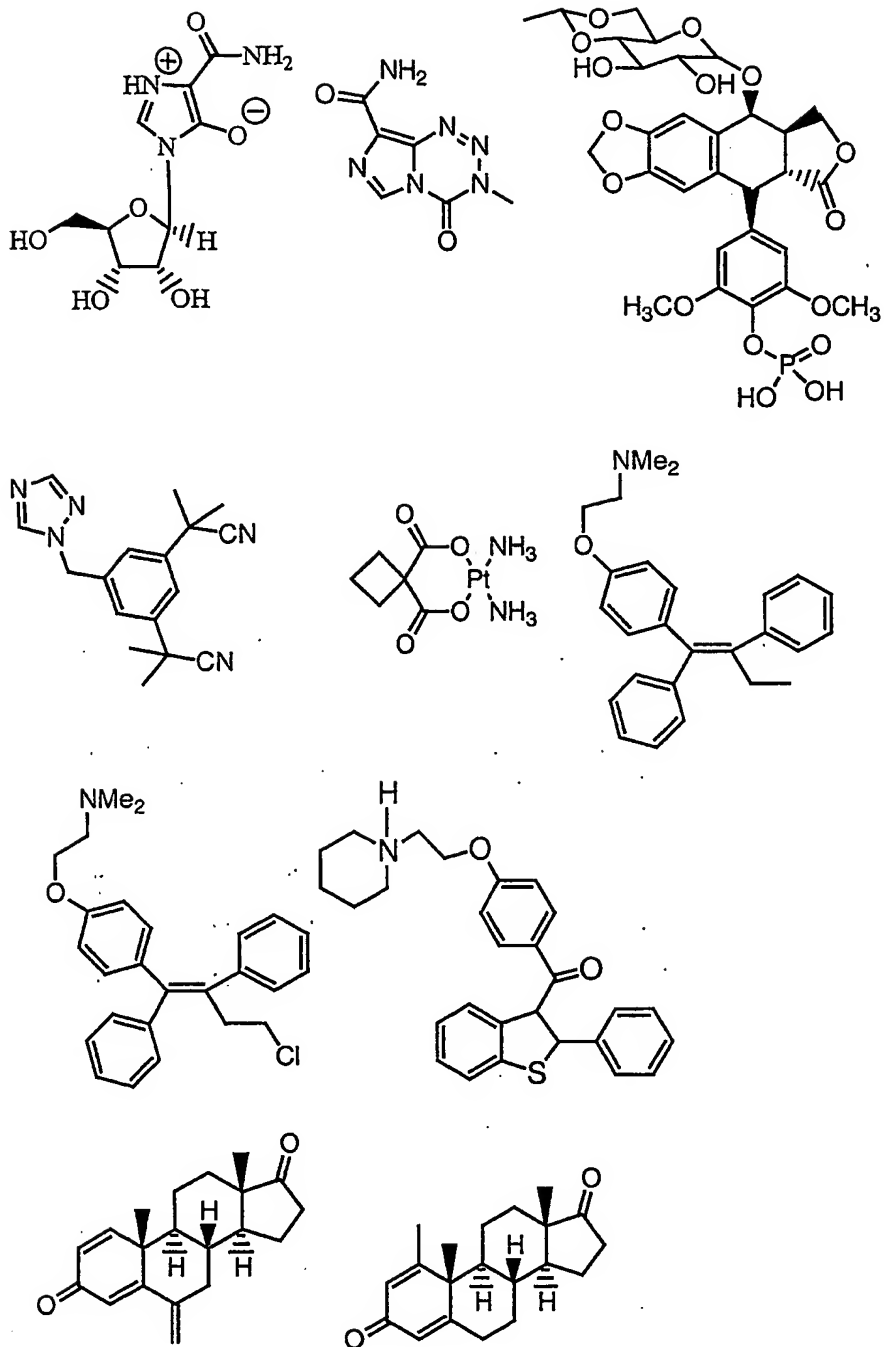
$M1a$, $M1c$, and $M1d$ are independently 0 or 1;

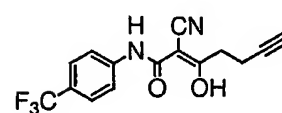
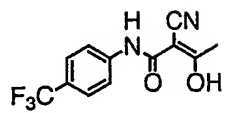
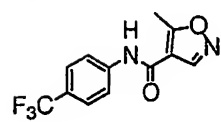
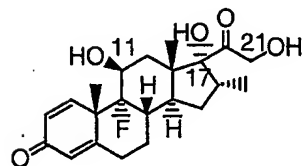
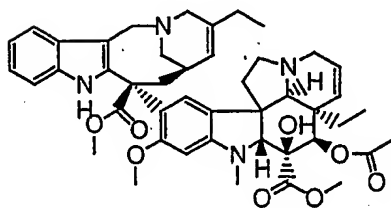
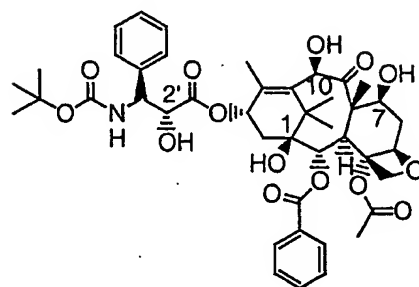
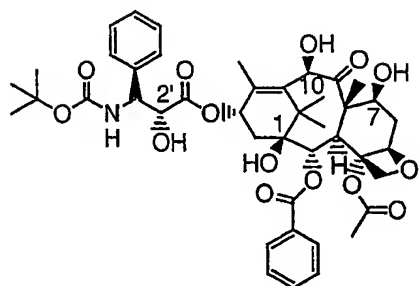
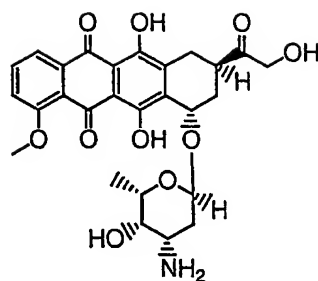
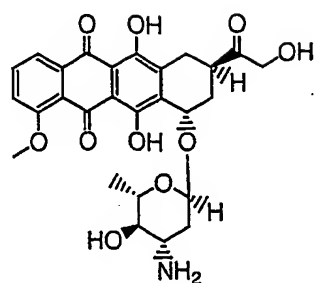
$M12c$ is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12.

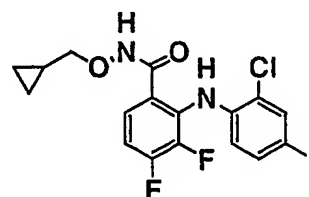
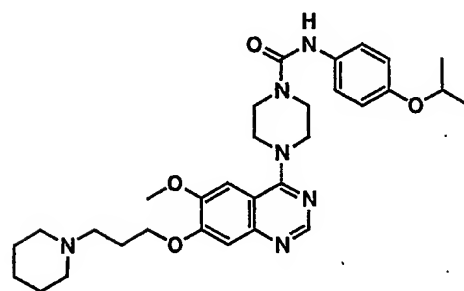
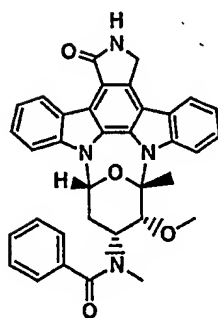
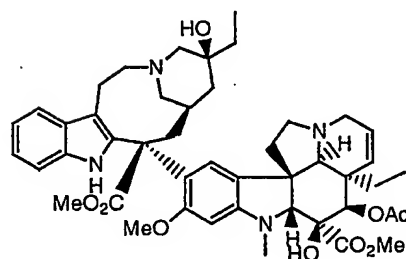
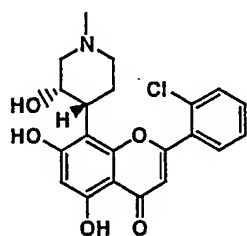
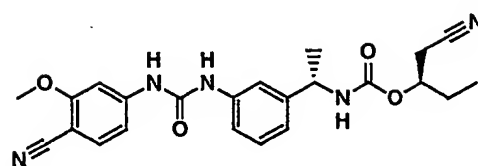
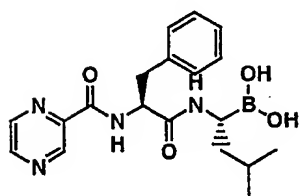
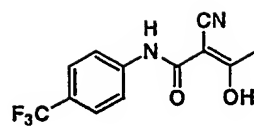
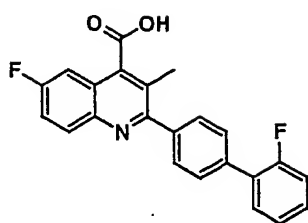
16. The conjugate of claim 1, or a pharmaceutically acceptable salt or solvate thereof, which is a compound of one of the following formulae:

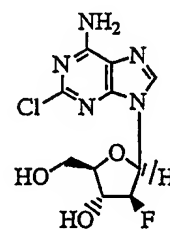
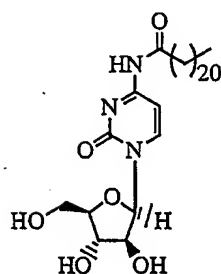
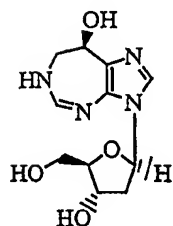
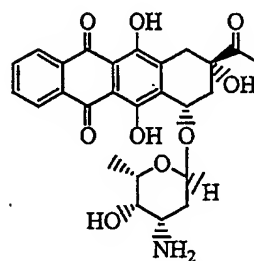
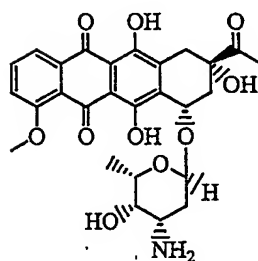
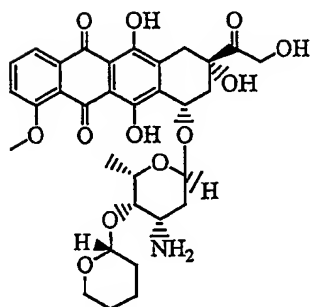
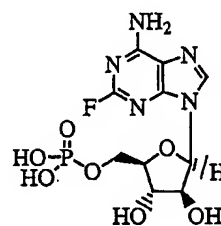
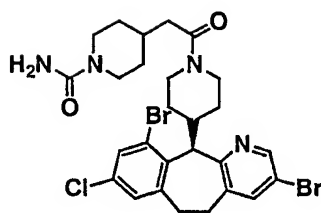
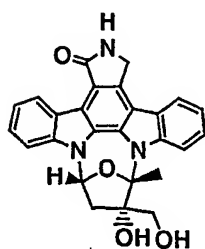
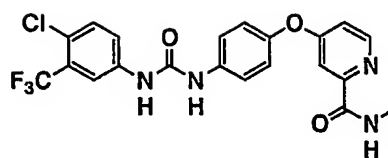
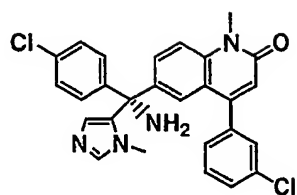


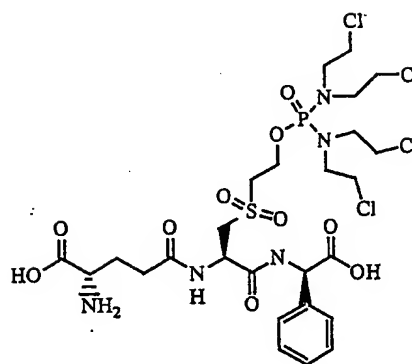
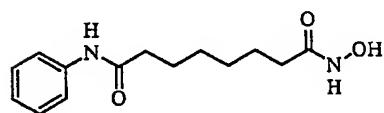
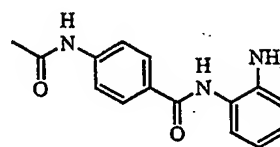
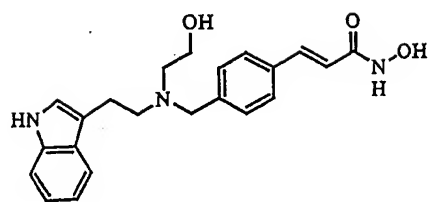
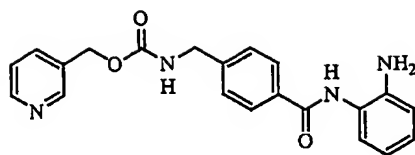
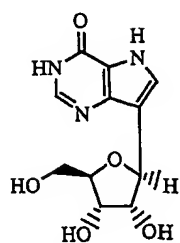


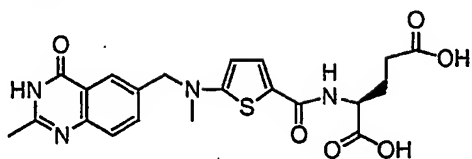
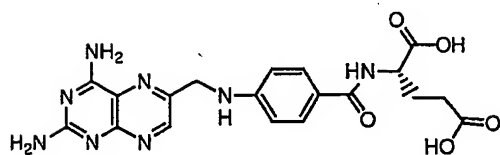
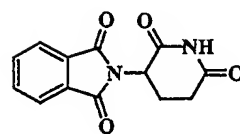
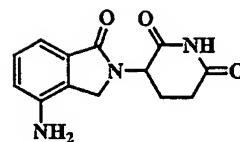
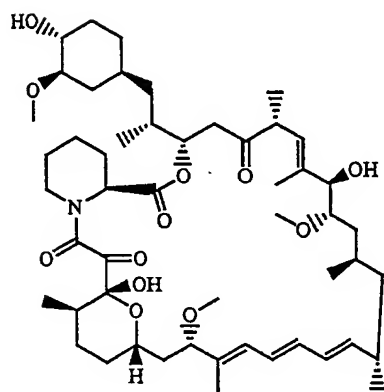
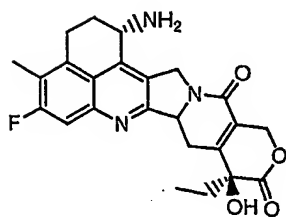
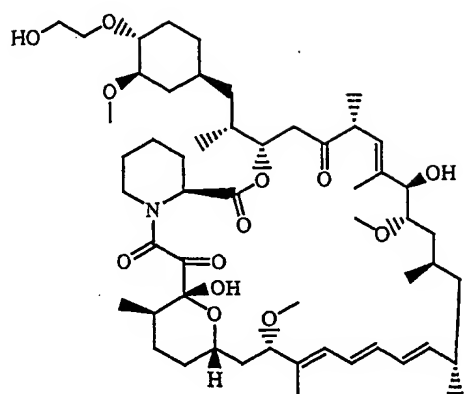


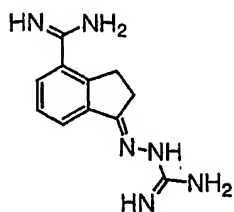
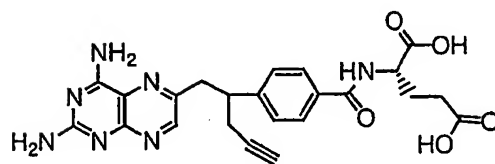
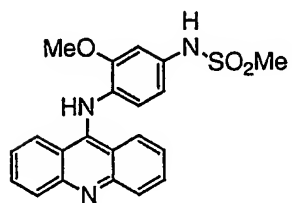
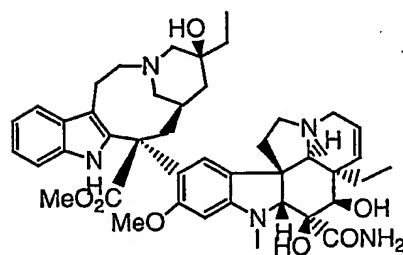
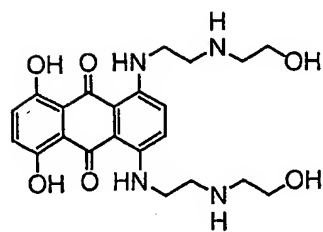
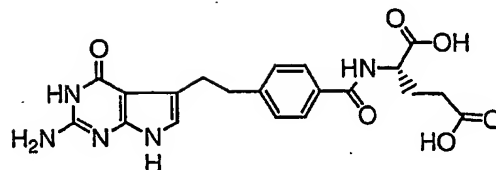
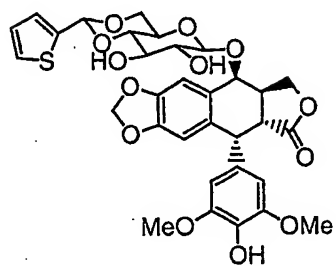
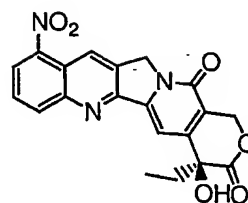
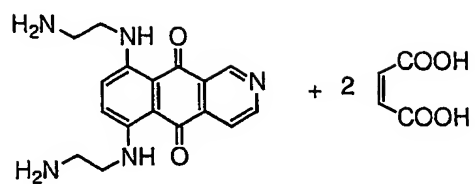


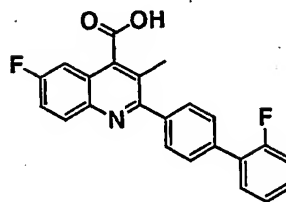
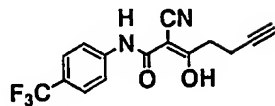
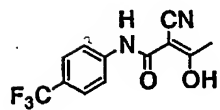
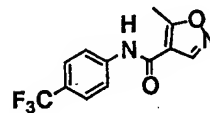
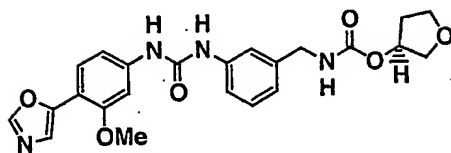
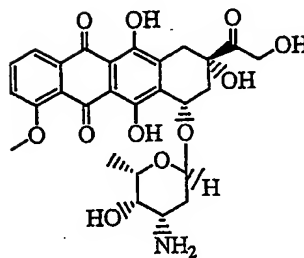
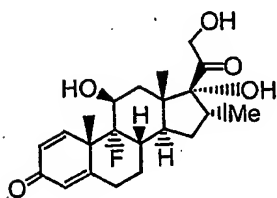
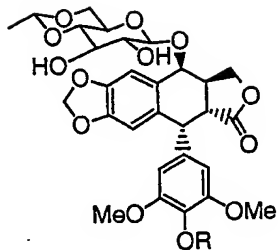
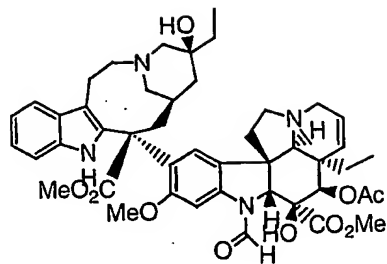


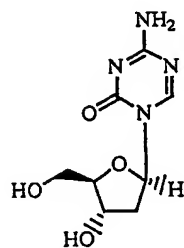
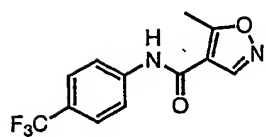
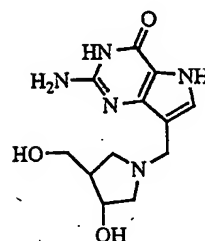
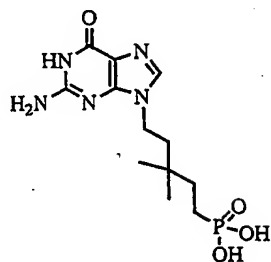
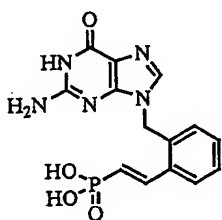
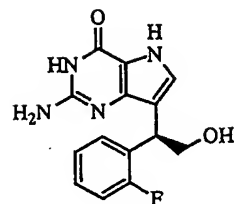
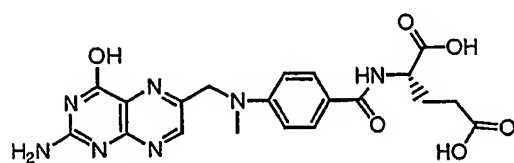
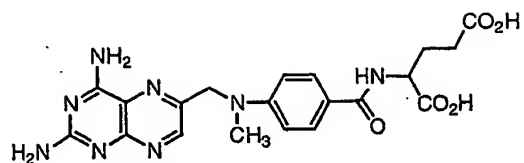


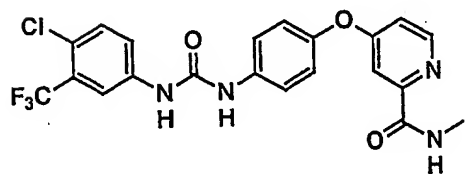
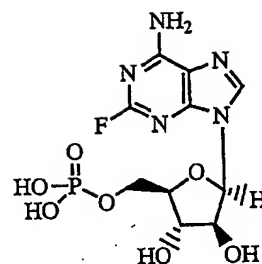
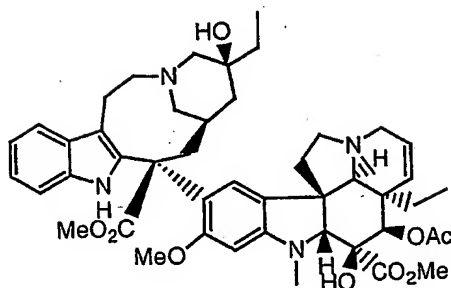
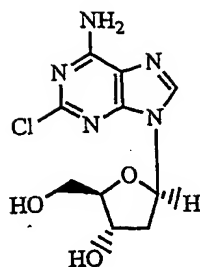
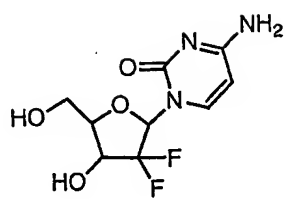








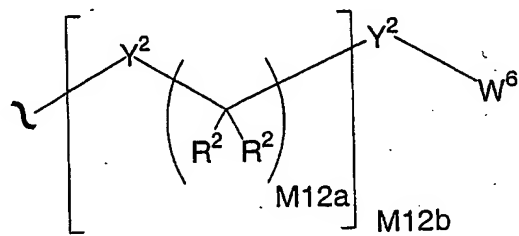




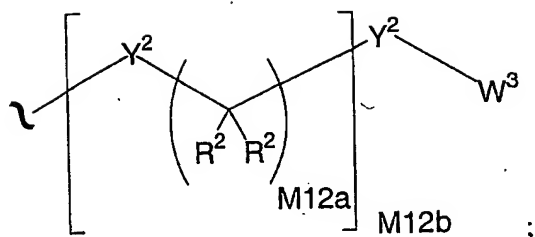
that is substituted with one or more groups A^0 , wherein:

A^0 is A^1 , A^2 or W^3 with the proviso that the conjugate includes at least one A^1 ;

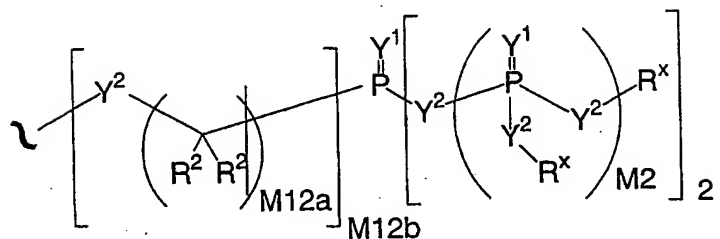
A^1 is:



A^2 is:



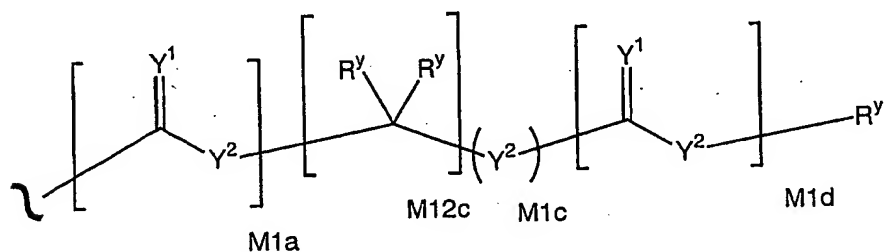
A³ is:



Y¹ is independently O, S, N(R^x), N(O)(R^x), N(OR^x), N(O)(OR^x), or N(N(R^x)(R^x));

Y² is independently a bond, O, N(R^x), N(O)(R^x), N(OR^x), N(O)(OR^x), N(N(R^x)(R^x)), -S(O)_{M2}-, or -S(O)_{M2}-S(O)_{M2}-; and when Y² joins two phosphorous atoms Y² can also be C(R²)(R²);

R^x is independently H, R¹, R², W³, a protecting group, or the formula:



wherein:

R^y is independently H, W³, R² or a protecting group;

R¹ is independently H or alkyl of 1 to 18 carbon atoms;

R² is independently H, R¹, R³ or R⁴ wherein each R⁴ is independently substituted with 0 to 3 R³ groups or taken together at a carbon atom, two R² groups form a ring of 3 to 8 carbons and the ring may be substituted with 0 to 3 R³ groups;

R³ is R^{3a}, R^{3b}, R^{3c} or R^{3d}, provided that when R³ is bound to a heteroatom, then R³ is R^{3c} or R^{3d};

R^{3a} is F, Cl, Br, I, -CN, N₃ or -NO₂;

R^{3b} is Y^1 ;

R^{3c} is $-R^x$, $-N(R^x)(R^x)$, $-SR^x$, $-S(O)R^x$, $-S(O)_2R^x$, $-S(O)(OR^x)$, $-S(O)_2(OR^x)$, $-OC(Y^1)R^x$, $-OC(Y^1)OR^x$, $-OC(Y^1)(N(R^x)(R^x))$, $-SC(Y^1)R^x$, $-SC(Y^1)OR^x$, $-SC(Y^1)(N(R^x)(R^x))$, $-N(R^x)C(Y^1)R^x$, $-N(R^x)C(Y^1)OR^x$, or $-N(R^x)C(Y^1)(N(R^x)(R^x))$;

R^{3d} is $-C(Y^1)R^x$, $-C(Y^1)OR^x$ or $-C(Y^1)(N(R^x)(R^x))$;

R^4 is an alkyl of 1 to 18 carbon atoms, alkenyl of 2 to 18 carbon atoms, or alkynyl of 2 to 18 carbon atoms;

R^5 is R^4 wherein each R^4 is substituted with 0 to 3 R^3 groups;

W^3 is W^4 or W^5 ;

W^4 is R^5 , $-C(Y^1)R^5$, $-C(Y^1)W^5$, $-SO_{M2}R^5$, or $-SO_{M2}W^5$;

W^5 is carbocycle or heterocycle wherein W^5 is independently substituted with 0 to 3 R^2 groups;

W^6 is W^3 independently substituted with 1, 2, or 3 A^3 groups;

$M2$ is 0, 1 or 2;

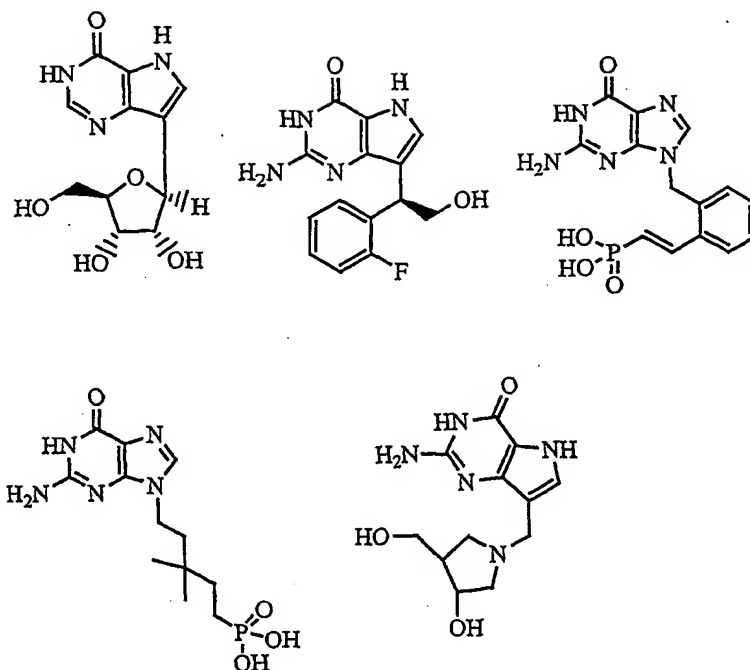
$M12a$ is 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

$M12b$ is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

$M1a$, $M1c$, and $M1d$ are independently 0 or 1;

$M12c$ is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12.

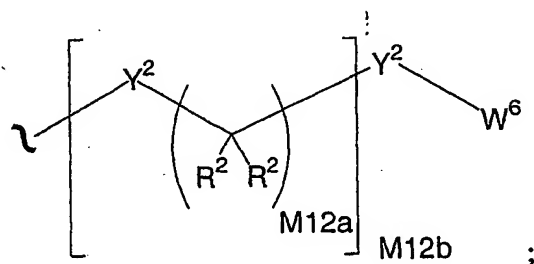
17. The conjugate of claim 1, or a pharmaceutically acceptable salt or solvate thereof, which is a compound of one of the following formulae:



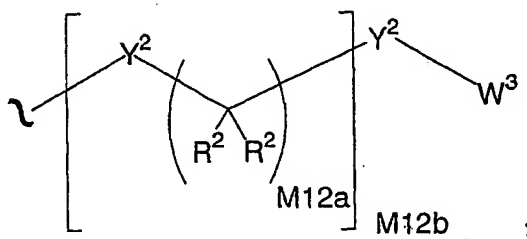
and is substituted with one or more groups A^0 , wherein:

A^0 is A^1 , A^2 or W^3 with the proviso that the conjugate includes at least one A^1 ;

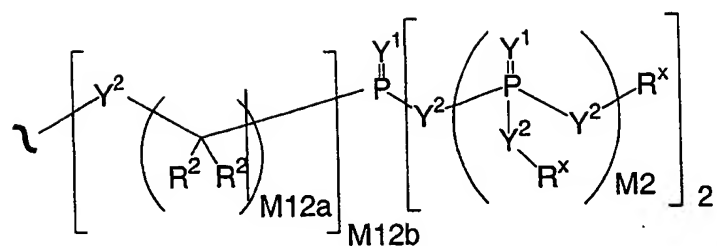
A^1 is:



A^2 is:



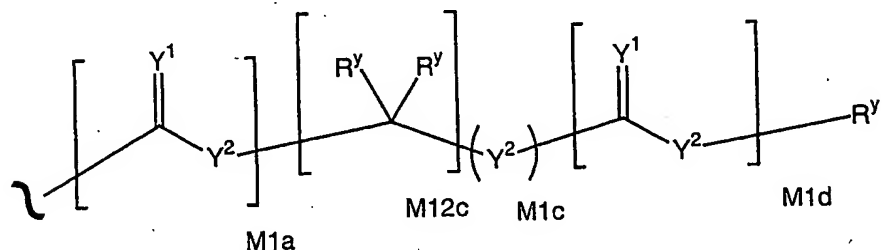
A^3 is:



Y^1 is independently O, S, $N(R^x)$, $N(O)(R^x)$, $N(OR^x)$, $N(O)(OR^x)$, or $N(N(R^x)(R^x))$;

Y^2 is independently a bond, O, $N(R^x)$, $N(O)(R^x)$, $N(OR^x)$, $N(O)(OR^x)$, $N(N(R^x)(R^x))$, $-S(O)_{M2-}$, or $-S(O)_{M2-}S(O)_{M2-}$; and when Y^2 joins two phosphorous atoms Y^2 can also be $C(R^2)(R^2)$;

R^x is independently H, R^1 , R^2 , W^3 , a protecting group, or the formula:



wherein:

R^y is independently H, W^3 , R^2 or a protecting group;

R^1 is independently H or alkyl of 1 to 18 carbon atoms;

R^2 is independently H, R^1 , R^3 or R^4 wherein each R^4 is independently substituted with 0 to 3 R^3 groups or taken together at a carbon atom, two R^2 groups form a ring of 3 to 8 carbons and the ring may be substituted with 0 to 3 R^3 groups;

R^3 is R^{3a} , R^{3b} , R^{3c} or R^{3d} , provided that when R^3 is bound to a heteroatom, then R^3 is R^{3c} or R^{3d} ;

R^{3a} is F, Cl, Br, I, -CN, N_3 or $-NO_2$;

R^{3b} is Y^1 ;

R^{3c} is $-R^x$, $-N(R^x)(R^x)$, $-SR^x$, $-S(O)R^x$, $-S(O)_2R^x$, $-S(O)(OR^x)$, $-S(O)_2(OR^x)$, $-OC(Y^1)R^x$, $-OC(Y^1)OR^x$, $-OC(Y^1)(N(R^x)(R^x))$, $-SC(Y^1)R^x$, $-SC(Y^1)OR^x$, $-SC(Y^1)(N(R^x)(R^x))$, $-N(R^x)C(Y^1)R^x$, $-N(R^x)C(Y^1)OR^x$, or $-N(R^x)C(Y^1)(N(R^x)(R^x))$;

R^{3d} is $-C(Y^1)R^x$, $-C(Y^1)OR^x$ or $-C(Y^1)(N(R^x)(R^x))$;

R^4 is an alkyl of 1 to 18 carbon atoms, alkenyl of 2 to 18 carbon atoms, or alkynyl of 2 to 18 carbon atoms;

R^5 is R^4 wherein each R^4 is substituted with 0 to 3 R^3 groups;

W^3 is W^4 or W^5 ;

W^4 is R^5 , $-C(Y^1)R^5$, $-C(Y^1)W^5$, $-SO_{M2}R^5$, or $-SO_{M2}W^5$;

W^5 is carbocycle or heterocycle wherein W^5 is independently substituted with 0 to 3 R^2 groups;

W^6 is W^3 independently substituted with 1, 2, or 3 A^3 groups;

$M2$ is 0, 1 or 2;

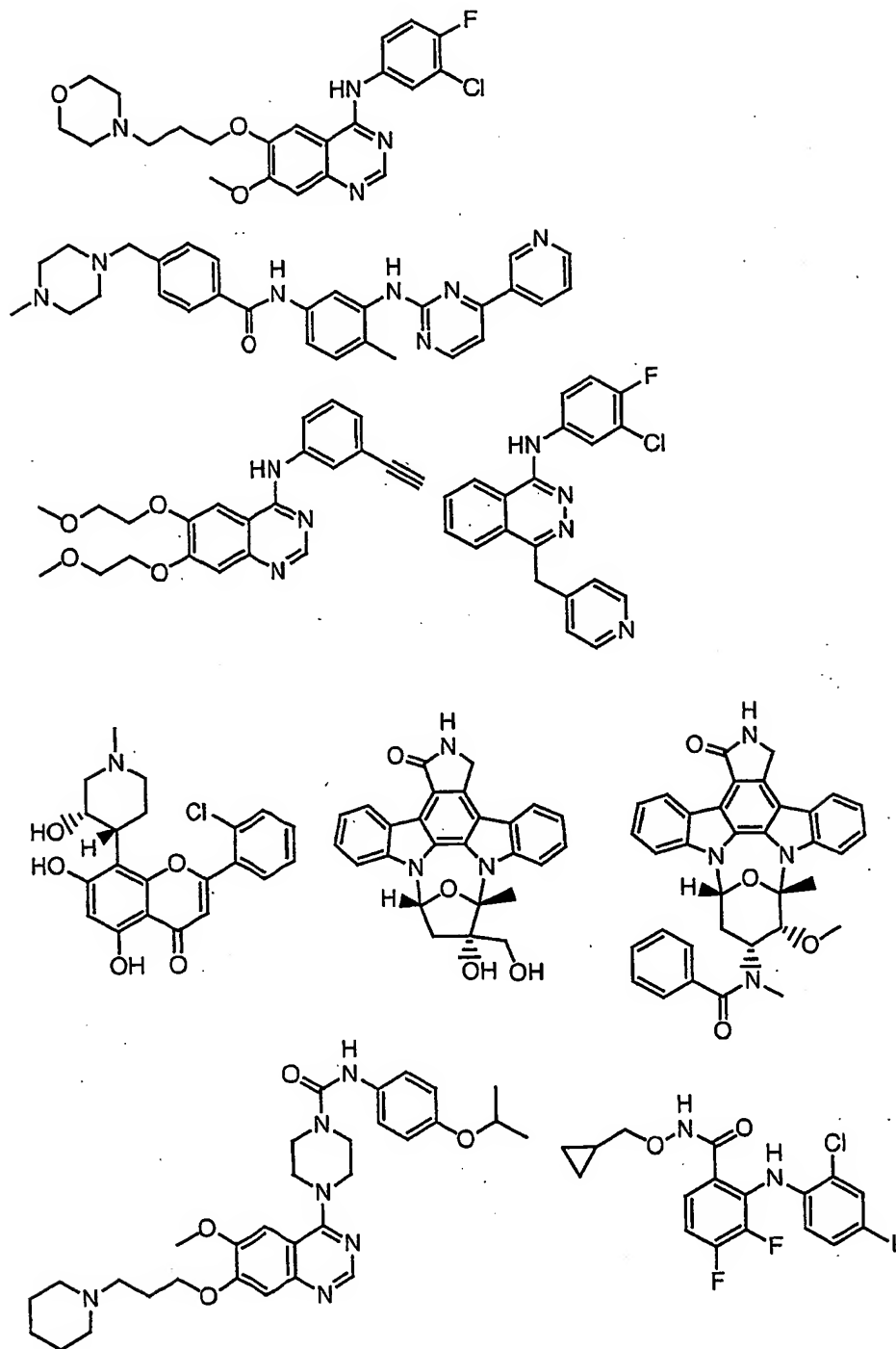
$M12a$ is 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

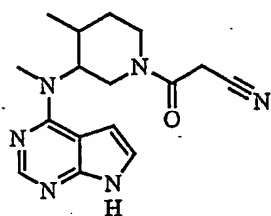
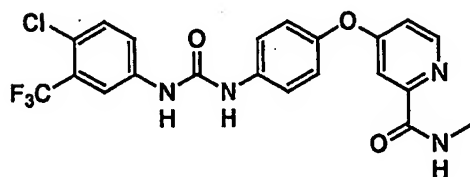
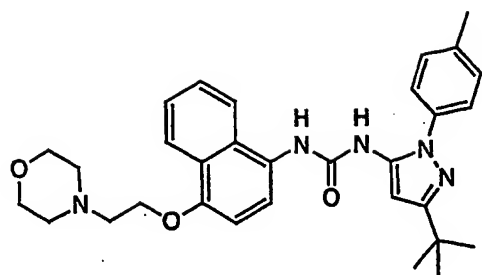
$M12b$ is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

$M1a$, $M1c$, and $M1d$ are independently 0 or 1;

$M12c$ is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12.

18. The conjugate of claim 1, or a pharmaceutically acceptable salt or solvate thereof, which is a compound of one of the following formulae:

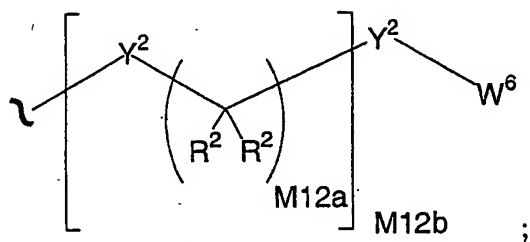




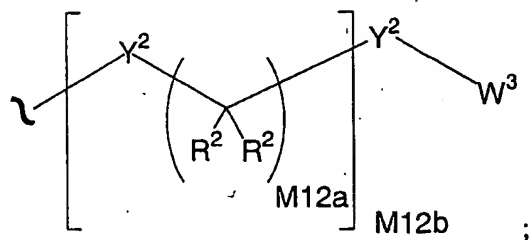
and is substituted with one or more groups A^0 , wherein:

A^0 is A^1 , A^2 or W^3 with the proviso that the conjugate includes at least one A^1 ;

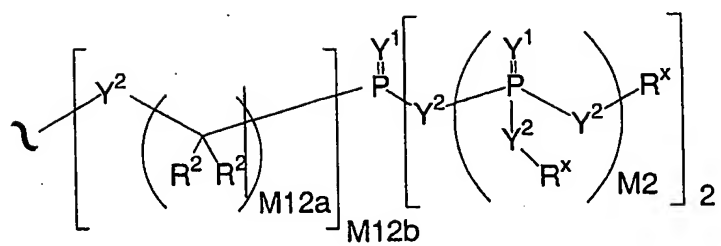
A^1 is:



A^2 is:



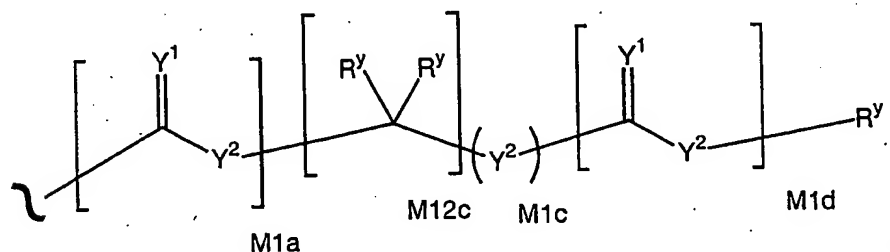
A^3 is:



Y^1 is independently O, S, $N(R^x)$, $N(O)(R^x)$, $N(OR^x)$, $N(O)(OR^x)$, or $N(N(R^x)(R^x))$;

Y^2 is independently a bond, O, $N(R^x)$, $N(O)(R^x)$, $N(OR^x)$, $N(O)(OR^x)$, $N(N(R^x)(R^x))$, $-S(O)_{M2}-$, or $-S(O)_{M2}-S(O)_{M2}-$; and when Y^2 joins two phosphorous atoms Y^2 can also be $C(R^2)(R^2)$;

R^x is independently H, R^1 , R^2 , W^3 , a protecting group, or the formula:



wherein:

R^y is independently H, W^3 , R^2 or a protecting group;

R^1 is independently H or alkyl of 1 to 18 carbon atoms;

R^2 is independently H, R^1 , R^3 or R^4 wherein each R^4 is independently substituted with 0 to 3 R^3 groups or taken together at a carbon atom, two R^2 groups form a ring of 3 to 8 carbons and the ring may be substituted with 0 to 3 R^3 groups;

R^3 is R^{3a} , R^{3b} , R^{3c} or R^{3d} , provided that when R^3 is bound to a heteroatom, then R^3 is R^{3c} or R^{3d} ;

R^{3a} is F, Cl, Br, I, $-CN$, N_3 or $-NO_2$;

R^{3b} is Y^1 ;

R^{3c} is $-R^x$, $-N(R^x)(R^x)$, $-SR^x$, $-S(O)R^x$, $-S(O)_2R^x$, $-S(O)(OR^x)$, $-S(O)_2(OR^x)$, $-OC(Y^1)R^x$, $-OC(Y^1)OR^x$, $-OC(Y^1)(N(R^x)(R^x))$, $-SC(Y^1)R^x$, $-SC(Y^1)OR^x$, $-SC(Y^1)(N(R^x)(R^x))$, $-N(R^x)C(Y^1)R^x$, $-N(R^x)C(Y^1)OR^x$, or $-N(R^x)C(Y^1)(N(R^x)(R^x))$;

R^{3d} is $-C(Y^1)R^x$, $-C(Y^1)OR^x$ or $-C(Y^1)(N(R^x)(R^x))$;

R^4 is an alkyl of 1 to 18 carbon atoms, alkenyl of 2 to 18 carbon atoms, or alkynyl of 2 to 18 carbon atoms;

R^5 is R^4 wherein each R^4 is substituted with 0 to 3 R^3 groups;

W^3 is W^4 or W^5 ;

W^4 is R^5 , $-C(Y^1)R^5$, $-C(Y^1)W^5$, $-SO_{M2}R^5$, or $-SO_{M2}W^5$;

W^5 is carbocycle or heterocycle wherein W^5 is independently substituted with 0 to 3 R^2 groups;

W^6 is W^3 independently substituted with 1, 2, or 3 A^3 groups;

$M2$ is 0, 1 or 2;

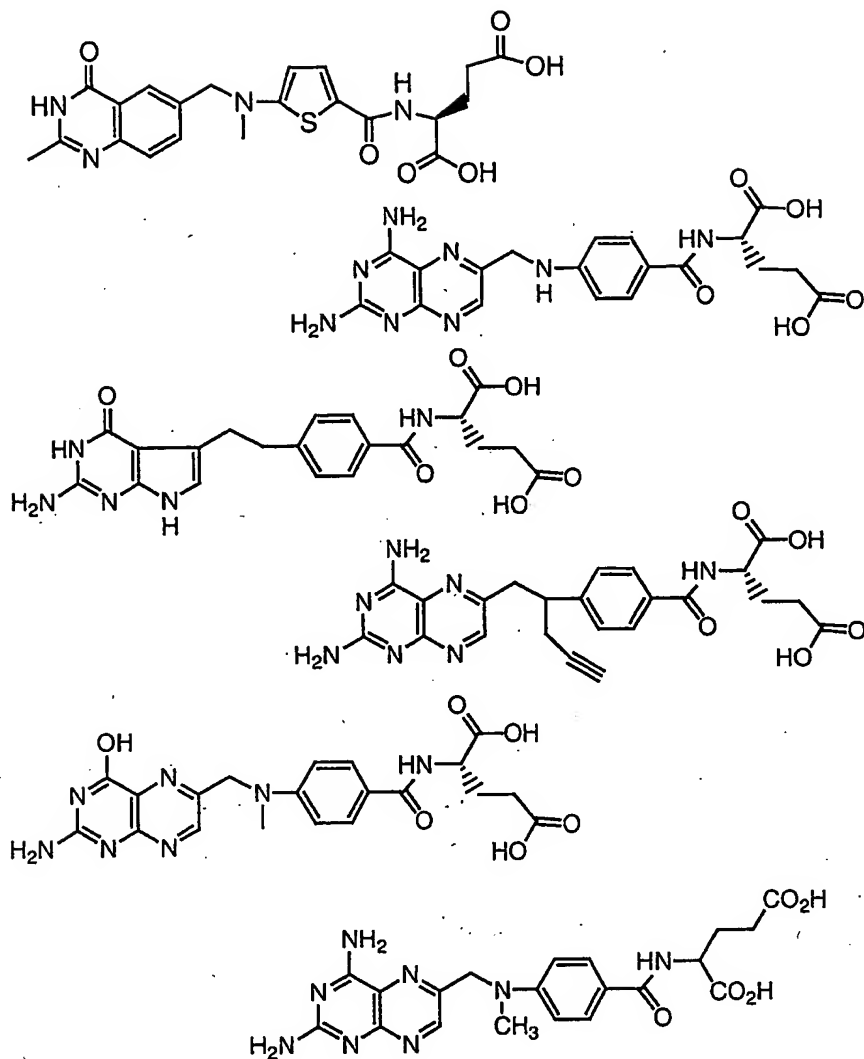
$M12a$ is 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

$M12b$ is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

$M1a$, $M1c$, and $M1d$ are independently 0 or 1;

$M12c$ is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12.

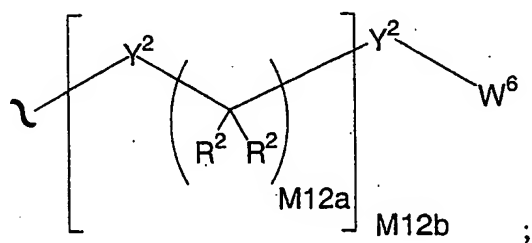
19. The conjugate of claim 1, or a pharmaceutically acceptable salt or solvate thereof, which is a compound of one of the following formulae:



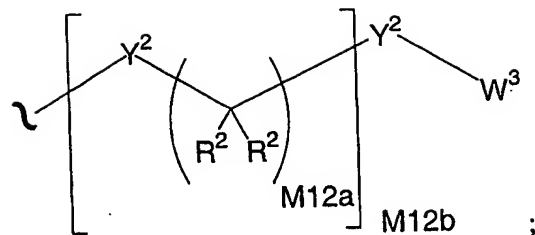
and is substituted with one or more groups A^0 , wherein:

A^0 is A^1 , A^2 or W^3 with the proviso that the conjugate includes at least one A^1 ;

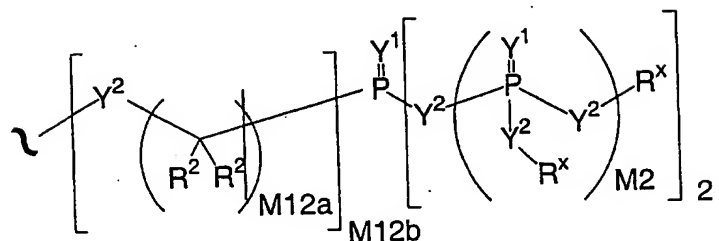
A^1 is:



A^2 is:



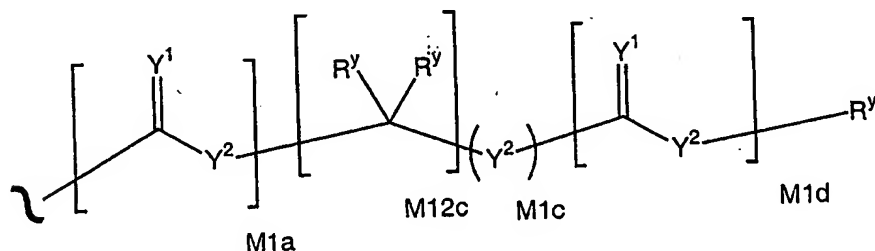
A³ is:



Y¹ is independently O, S, N(R^x), N(O)(R^x), N(OR^x), N(O)(OR^x), or N(N(R^x)(R^x));

Y² is independently a bond, O, N(R^x), N(O)(R^x), N(OR^x), N(O)(OR^x), N(N(R^x)(R^x)), -S(O)_{M2}-, or -S(O)_{M2}-S(O)_{M2}-; and when Y² joins two phosphorous atoms Y² can also be C(R²)(R²);

R^x is independently H, R¹, R², W³, a protecting group, or the formula:



wherein:

R^y is independently H, W³, R² or a protecting group;

R¹ is independently H or alkyl of 1 to 18 carbon atoms;

R² is independently H, R¹, R³ or R⁴ wherein each R⁴ is independently substituted with 0 to 3 R³ groups or taken together at a carbon atom, two R² groups form a ring of 3 to 8 carbons and the ring may be substituted with 0 to 3 R³ groups;

R³ is R^{3a}, R^{3b}, R^{3c} or R^{3d}, provided that when R³ is bound to a heteroatom, then R³ is R^{3c} or R^{3d};

R^{3a} is F, Cl, Br, I, -CN, N₃ or -NO₂;

R^{3b} is Y^1 ;

R^{3c} is $-R^x$, $-N(R^x)(R^x)$, $-SR^x$, $-S(O)R^x$, $-S(O)_2R^x$, $-S(O)(OR^x)$, $-S(O)_2(OR^x)$, $-OC(Y^1)R^x$, $-OC(Y^1)OR^x$, $-OC(Y^1)(N(R^x)(R^x))$, $-SC(Y^1)R^x$, $-SC(Y^1)OR^x$, $-SC(Y^1)(N(R^x)(R^x))$, $-N(R^x)C(Y^1)R^x$, $-N(R^x)C(Y^1)OR^x$, or $-N(R^x)C(Y^1)(N(R^x)(R^x))$;

R^{3d} is $-C(Y^1)R^x$, $-C(Y^1)OR^x$ or $-C(Y^1)(N(R^x)(R^x))$;

R^4 is an alkyl of 1 to 18 carbon atoms, alkenyl of 2 to 18 carbon atoms, or alkynyl of 2 to 18 carbon atoms;

R^5 is R^4 wherein each R^4 is substituted with 0 to 3 R^3 groups;

W^3 is W^4 or W^5 ;

W^4 is R^5 , $-C(Y^1)R^5$, $-C(Y^1)W^5$, $-SO_{M2}R^5$, or $-SO_{M2}W^5$;

W^5 is carbocycle or heterocycle wherein W^5 is independently substituted with 0 to 3 R^2 groups;

W^6 is W^3 independently substituted with 1, 2, or 3 A^3 groups;

$M2$ is 0, 1 or 2;

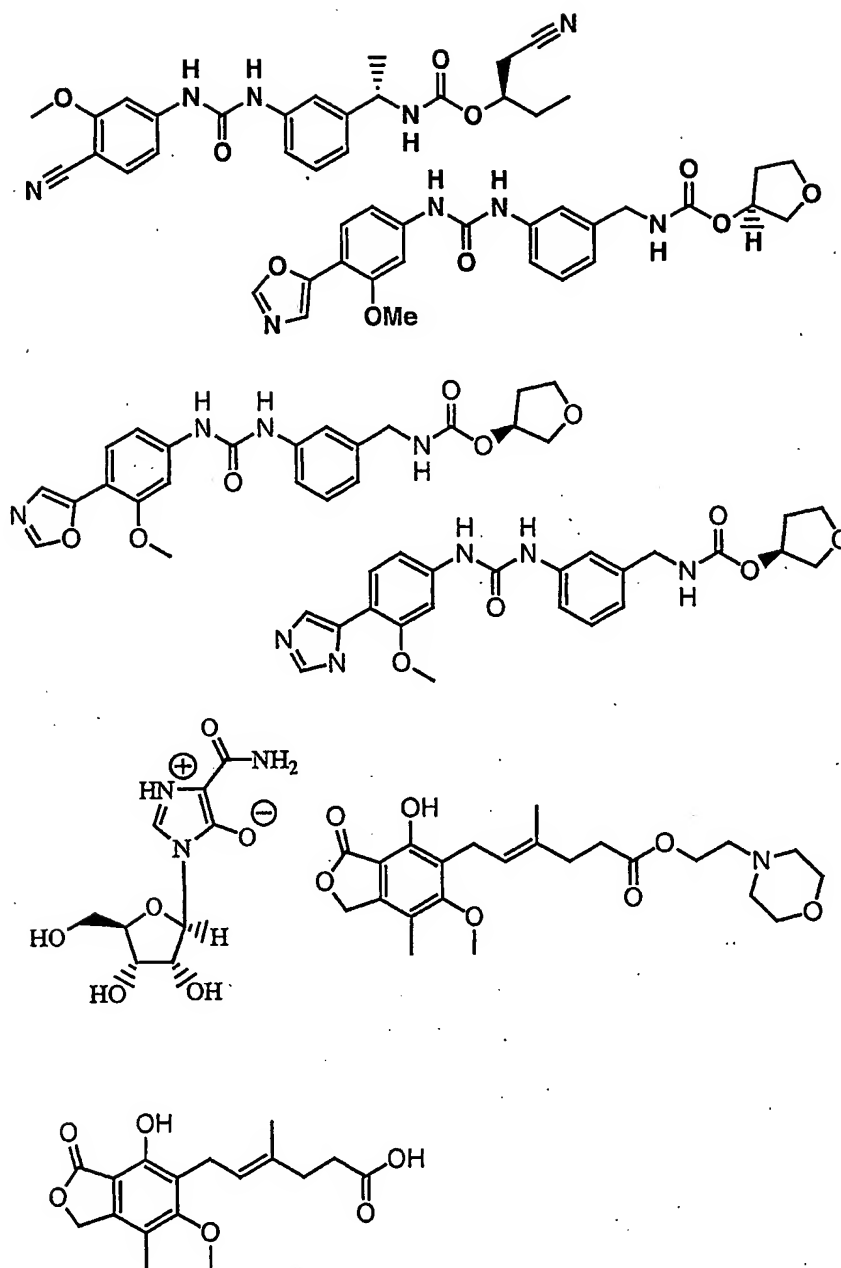
$M12a$ is 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

$M12b$ is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

$M1a$, $M1c$, and $M1d$ are independently 0 or 1;

$M12c$ is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12.

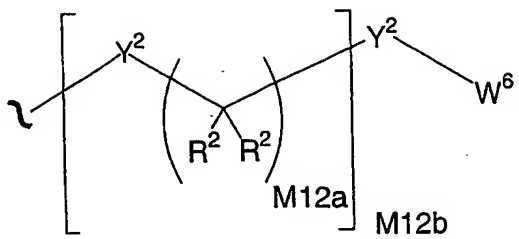
20. The conjugate of claim 1, or a pharmaceutically acceptable salt or solvate thereof, which is a compound of one of the following formulae:



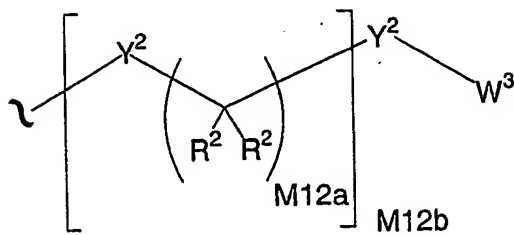
and is substituted with one or more groups A^0 , wherein:

A^0 is A^1 , A^2 or W^3 with the proviso that the conjugate includes at least one A^1 ;

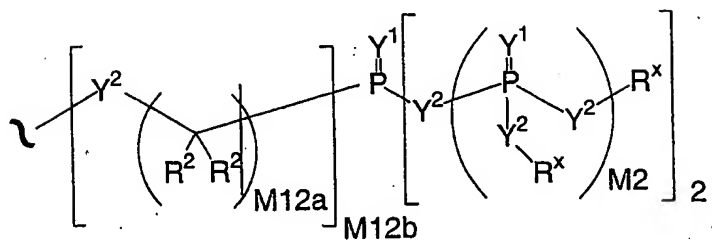
A^1 is:



A² is:



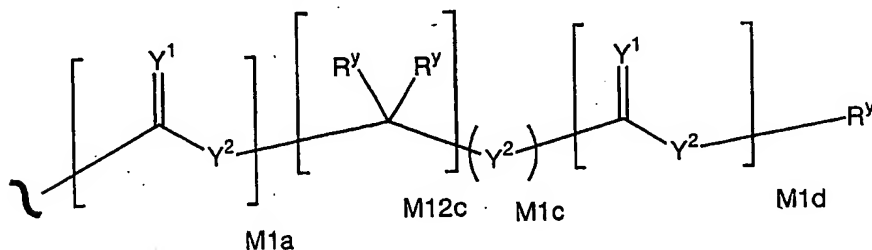
A³ is:



Y¹ is independently O, S, N(R^x), N(O)(R^x), N(OR^x), N(O)(OR^x), or N(N(R^x)(R^x));

Y² is independently a bond, O, N(R^x), N(O)(R^x), N(OR^x), N(O)(OR^x), N(N(R^x)(R^x)), -S(O)_{M2}-, or -S(O)_{M2}-S(O)_{M2}-; and when Y² joins two phosphorous atoms Y² can also be C(R²)(R²);

R^x is independently H, R¹, R², W³, a protecting group, or the formula:



wherein:

R^y is independently H, W³, R² or a protecting group;

R¹ is independently H or alkyl of 1 to 18 carbon atoms;

R^2 is independently H, R^1 , R^3 or R^4 wherein each R^4 is independently substituted with 0 to 3 R^3 groups or taken together at a carbon atom, two R^2 groups form a ring of 3 to 8 carbons and the ring may be substituted with 0 to 3 R^3 groups;

R^3 is R^{3a} , R^{3b} , R^{3c} or R^{3d} , provided that when R^3 is bound to a heteroatom, then R^3 is R^{3c} or R^{3d} ;

R^{3a} is F, Cl, Br, I, -CN, N_3 or $-NO_2$;

R^{3b} is Y^1 ;

R^{3c} is $-R^x$, $-N(R^x)(R^x)$, $-SR^x$, $-S(O)R^x$, $-S(O)_2R^x$, $-S(O)(OR^x)$, $-S(O)_2(OR^x)$, $-OC(Y^1)R^x$, $-OC(Y^1)OR^x$, $-OC(Y^1)(N(R^x)(R^x))$, $-SC(Y^1)R^x$, $-SC(Y^1)OR^x$, $-SC(Y^1)(N(R^x)(R^x))$, $-N(R^x)C(Y^1)R^x$, $-N(R^x)C(Y^1)OR^x$, or $-N(R^x)C(Y^1)(N(R^x)(R^x))$;

R^{3d} is $-C(Y^1)R^x$, $-C(Y^1)OR^x$ or $-C(Y^1)(N(R^x)(R^x))$;

R^4 is an alkyl of 1 to 18 carbon atoms, alkenyl of 2 to 18 carbon atoms, or alkynyl of 2 to 18 carbon atoms;

R^5 is R^4 wherein each R^4 is substituted with 0 to 3 R^3 groups;

W^3 is W^4 or W^5 ;

W^4 is R^5 , $-C(Y^1)R^5$, $-C(Y^1)W^5$, $-SO_{M2}R^5$, or $-SO_{M2}W^5$;

W^5 is carbocycle or heterocycle wherein W^5 is independently substituted with 0 to 3 R^2 groups;

W^6 is W^3 independently substituted with 1, 2, or 3 A^3 groups;

$M2$ is 0, 1 or 2;

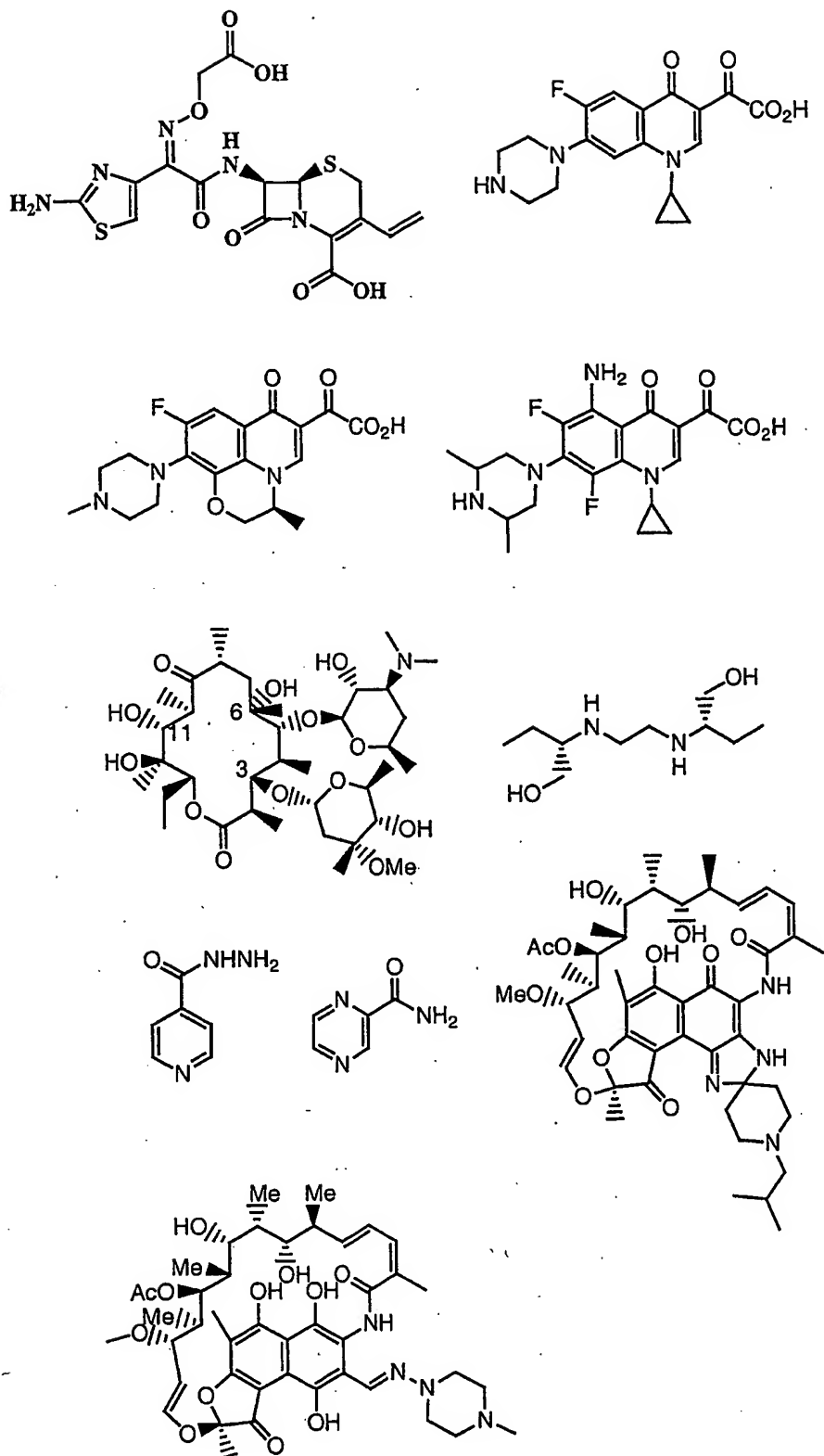
$M12a$ is 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

$M12b$ is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

$M1a$, $M1c$, and $M1d$ are independently 0 or 1;

$M12c$ is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12.

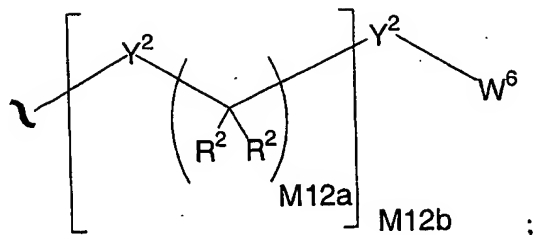
21. The conjugate of claim 1, or a pharmaceutically acceptable salt or solvate thereof, which is a compound of one of the following formulae:



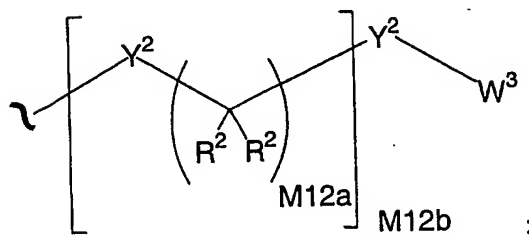
that is substituted with one or more groups A^0 , wherein:

A^0 is A^1 , A^2 or W^3 with the proviso that the conjugate includes at least one A^1 ;

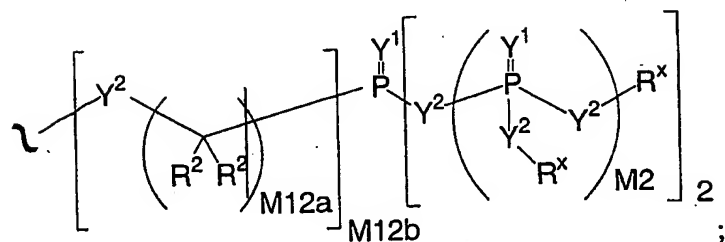
A^1 is:



A^2 is:



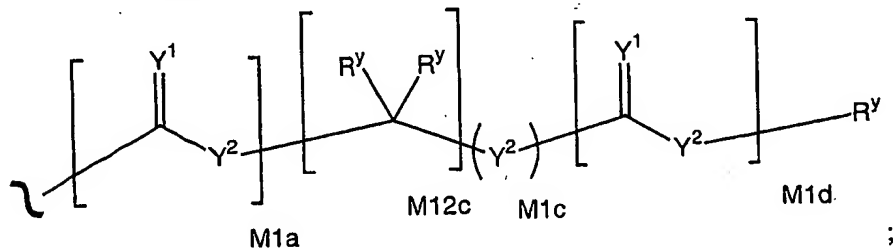
A^3 is:



Y^1 is independently O, S, $N(R^x)$, $N(O)(R^x)$, $N(OR^x)$, $N(O)(OR^x)$, or $N(N(R^x)(R^x))$;

Y^2 is independently a bond, O, $N(R^x)$, $N(O)(R^x)$, $N(OR^x)$, $N(O)(OR^x)$, $N(N(R^x)(R^x))$, $-S(O)_{M2-}$, or $-S(O)_{M2-}S(O)_{M2-}$; and when Y^2 joins two phosphorous atoms Y^2 can also be $C(R^2)(R^2)$;

R^x is independently H, R^1 , R^2 , W^3 , a protecting group, or the formula:



wherein:

R^y is independently H, W^3 , R^2 or a protecting group;

R^1 is independently H or alkyl of 1 to 18 carbon atoms;

R^2 is independently H, R^1 , R^3 or R^4 wherein each R^4 is independently substituted with 0 to 3 R^3 groups or taken together at a carbon atom, two R^2 groups form a ring of 3 to 8 carbons and the ring may be substituted with 0 to 3 R^3 groups;

R^3 is R^{3a} , R^{3b} , R^{3c} or R^{3d} , provided that when R^3 is bound to a heteroatom, then R^3 is R^{3c} or R^{3d} ;

R^{3a} is F, Cl, Br, I, -CN, N_3 or $-NO_2$;

R^{3b} is Y^1 ;

R^{3c} is $-R^x$, $-N(R^x)(R^x)$, $-SR^x$, $-S(O)R^x$, $-S(O)_2R^x$, $-S(O)(OR^x)$, $-S(O)_2(OR^x)$, $-OC(Y^1)R^x$, $-OC(Y^1)OR^x$, $-OC(Y^1)(N(R^x)(R^x))$, $-SC(Y^1)R^x$, $-SC(Y^1)OR^x$, $-SC(Y^1)(N(R^x)(R^x))$, $-N(R^x)C(Y^1)R^x$, $-N(R^x)C(Y^1)OR^x$, or $-N(R^x)C(Y^1)(N(R^x)(R^x))$;

R^{3d} is $-C(Y^1)R^x$, $-C(Y^1)OR^x$ or $-C(Y^1)(N(R^x)(R^x))$;

R^4 is an alkyl of 1 to 18 carbon atoms, alkenyl of 2 to 18 carbon atoms, or alkynyl of 2 to 18 carbon atoms;

R^5 is R^4 wherein each R^4 is substituted with 0 to 3 R^3 groups;

W^3 is W^4 or W^5 ;

W^4 is R^5 , $-C(Y^1)R^5$, $-C(Y^1)W^5$, $-SO_{M2}R^5$, or $-SO_{M2}W^5$;

W^5 is carbocycle or heterocycle wherein W^5 is independently substituted with 0 to 3 R^2 groups;

W^6 is W^3 independently substituted with 1, 2, or 3 A^3 groups;

$M2$ is 0, 1 or 2;

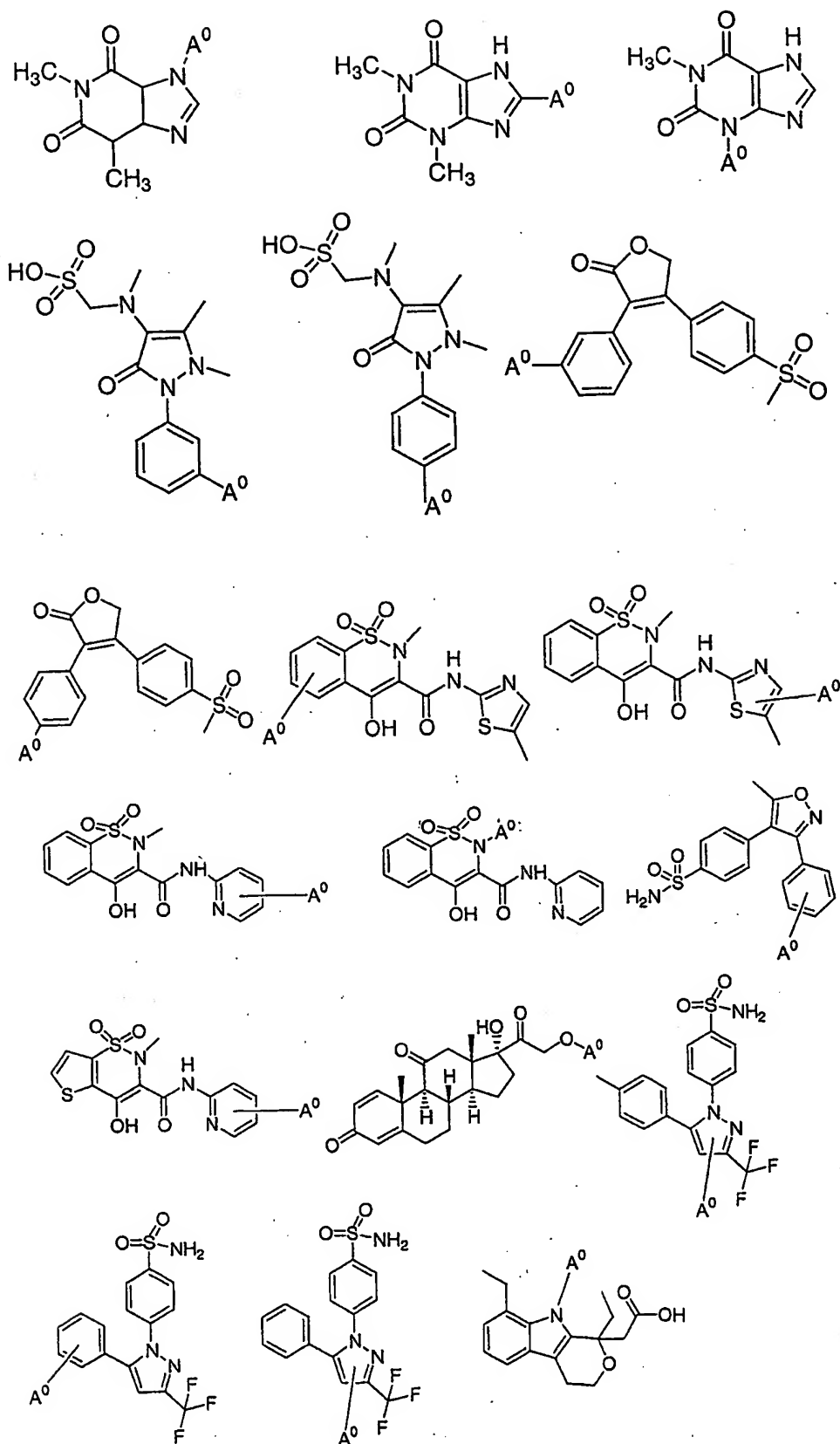
$M12a$ is 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

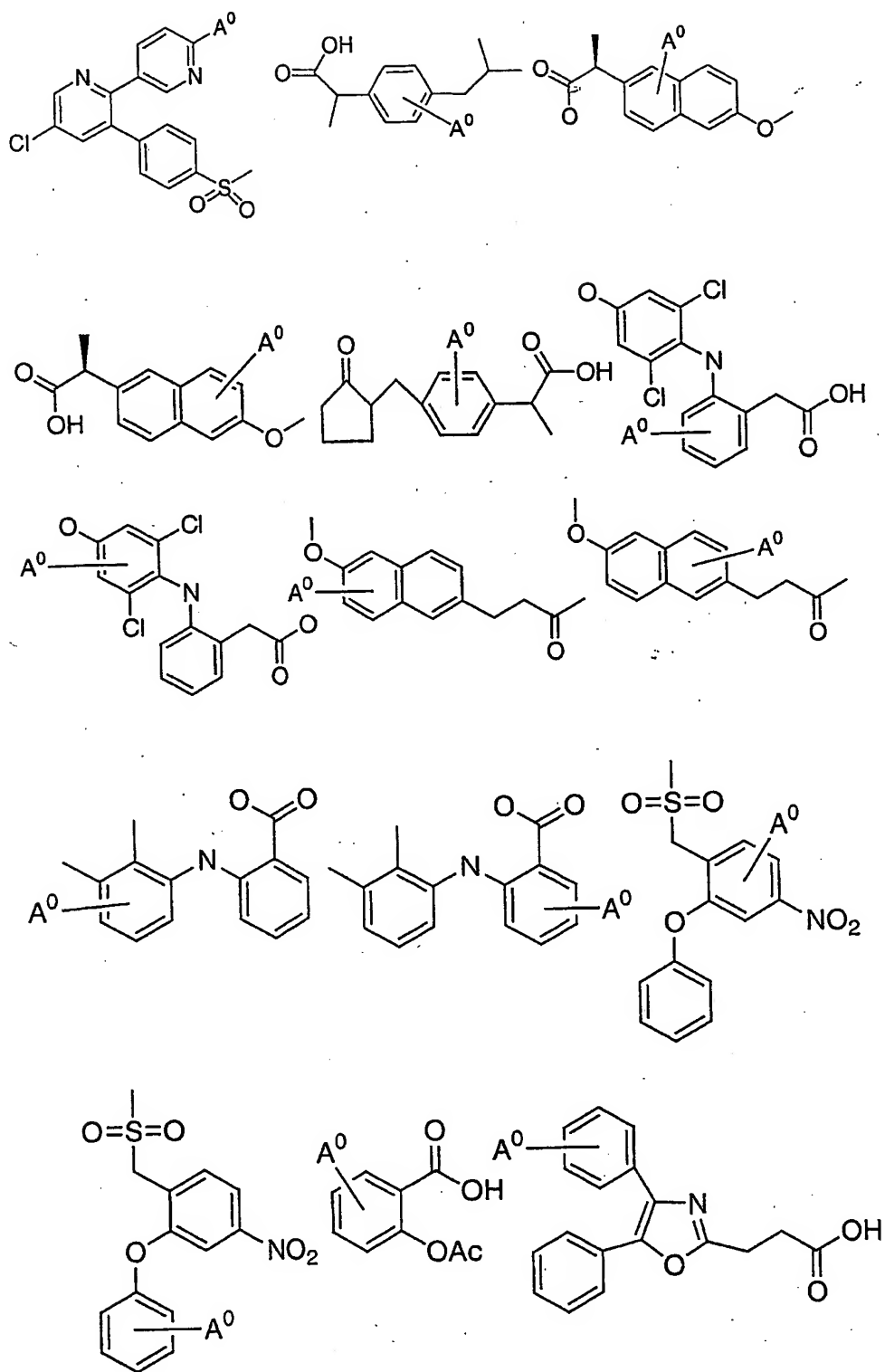
$M12b$ is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

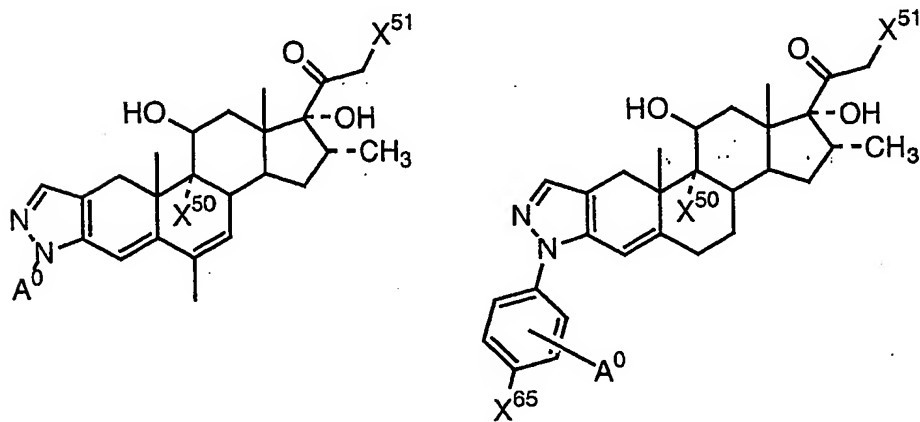
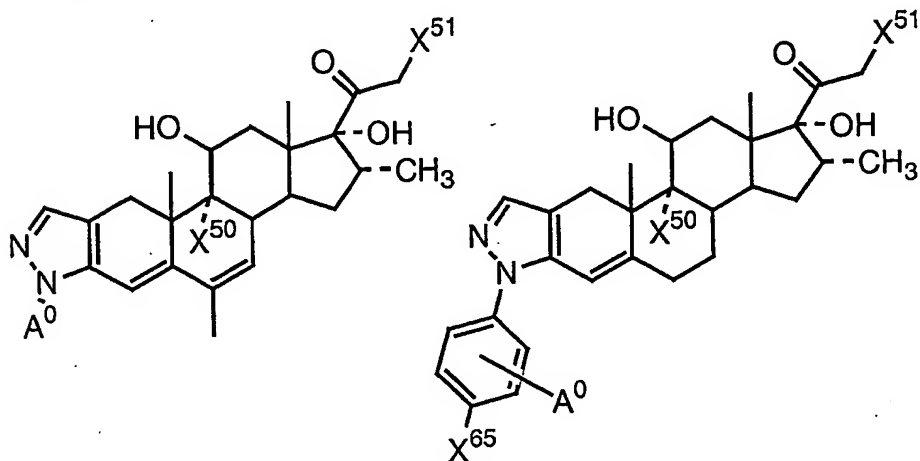
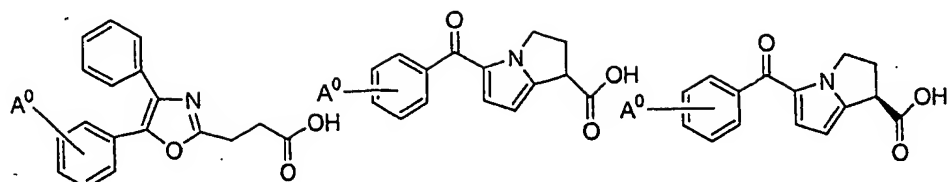
$M1a$, $M1c$, and $M1d$ are independently 0 or 1;

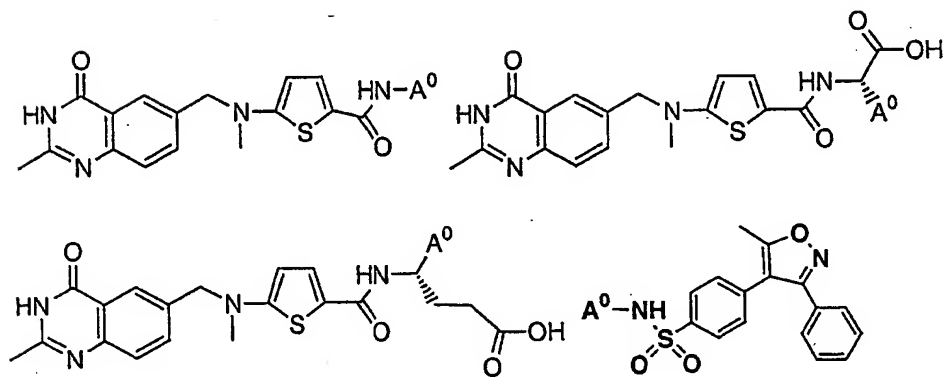
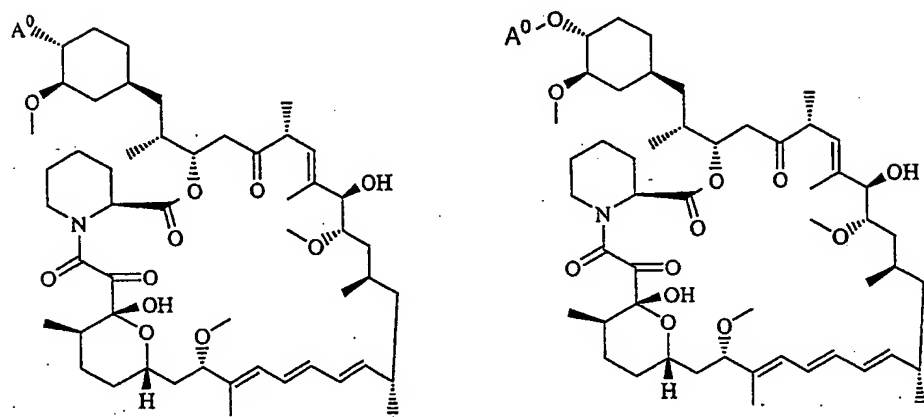
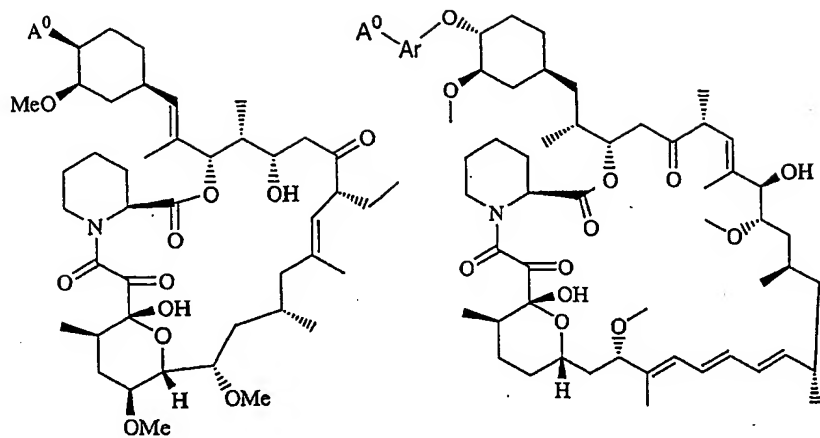
$M12c$ is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12.

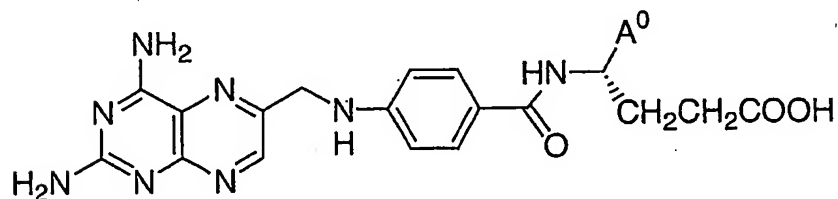
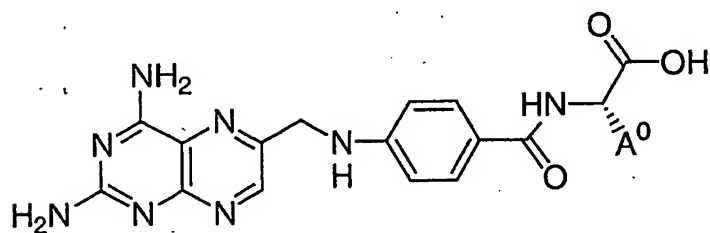
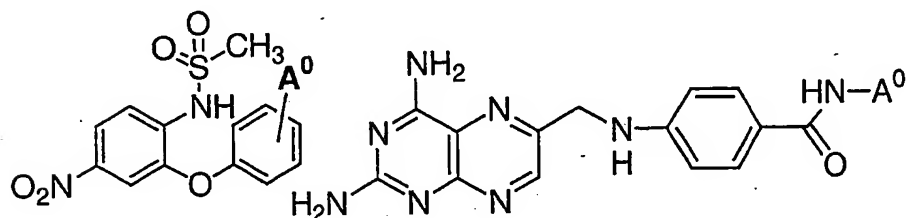
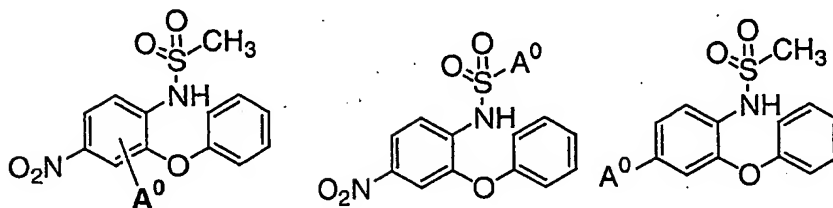
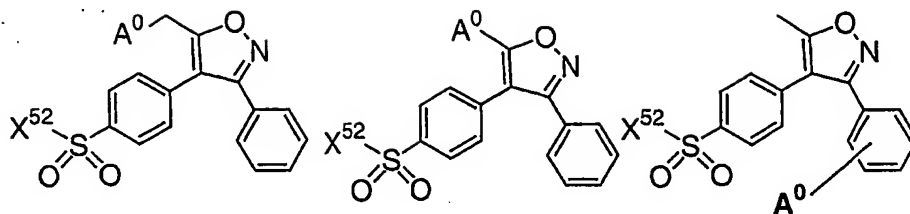
22. The conjugate of claim 1 which has any one of the following formulae:

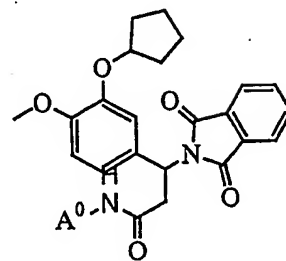
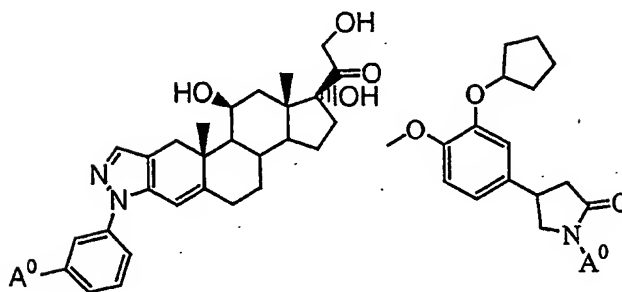
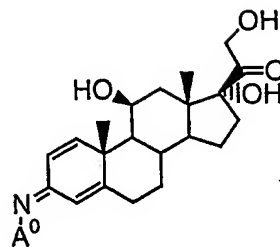
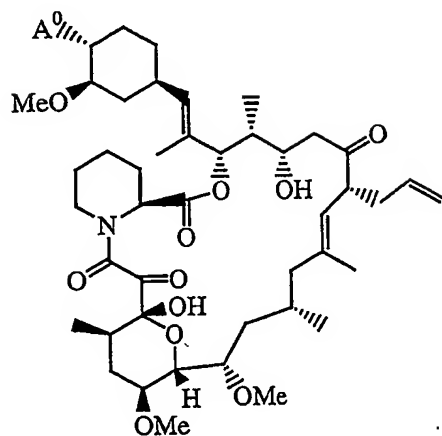
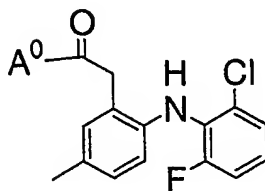
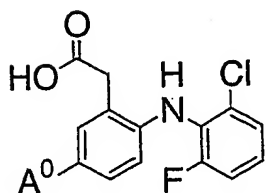
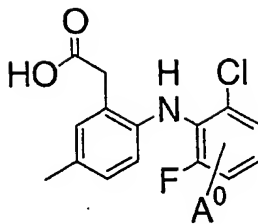
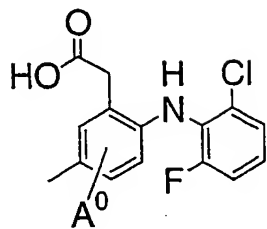


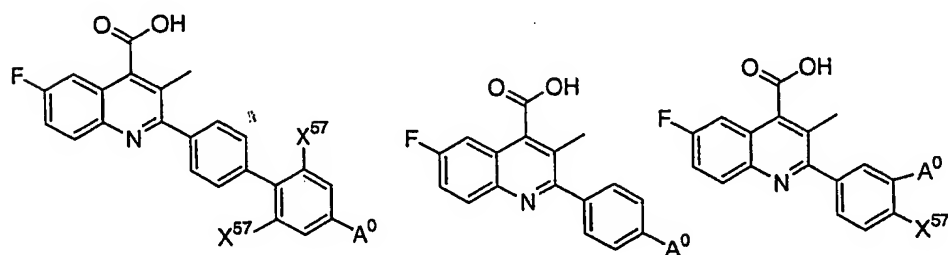
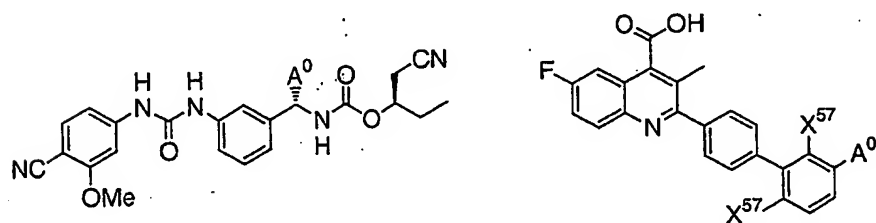
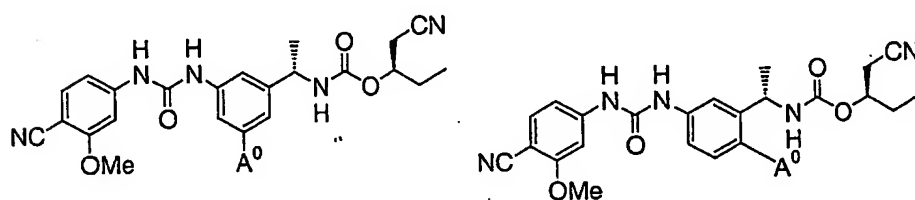
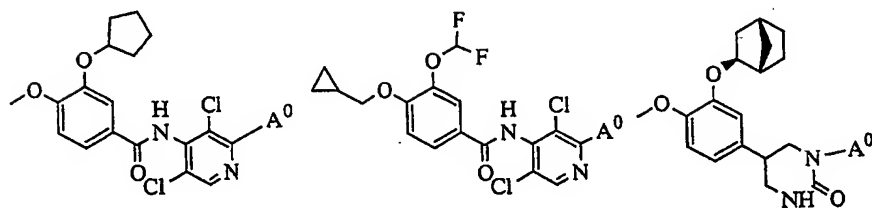
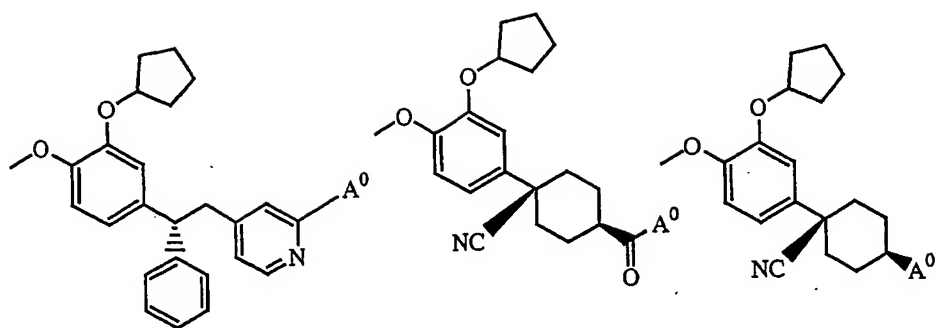


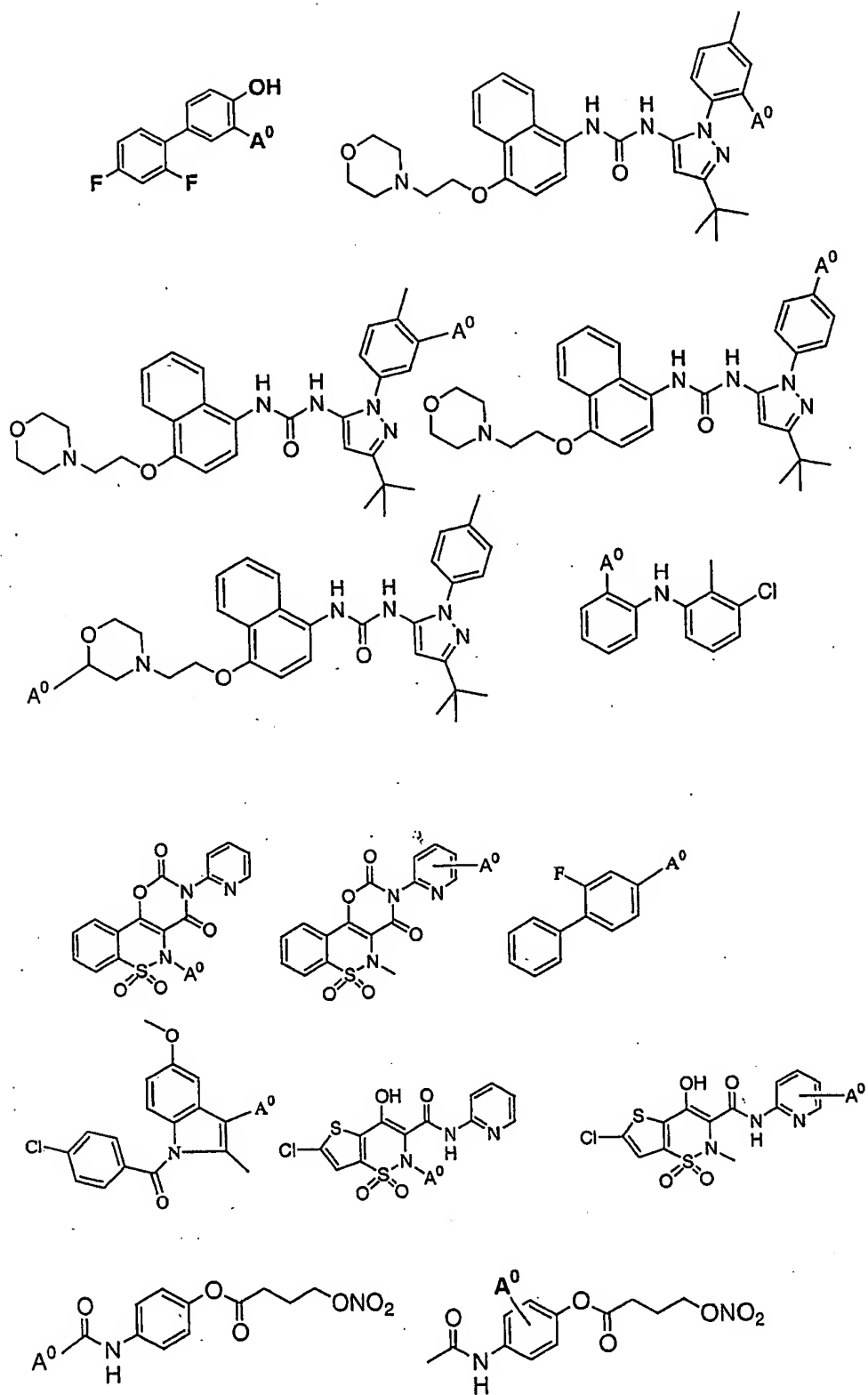




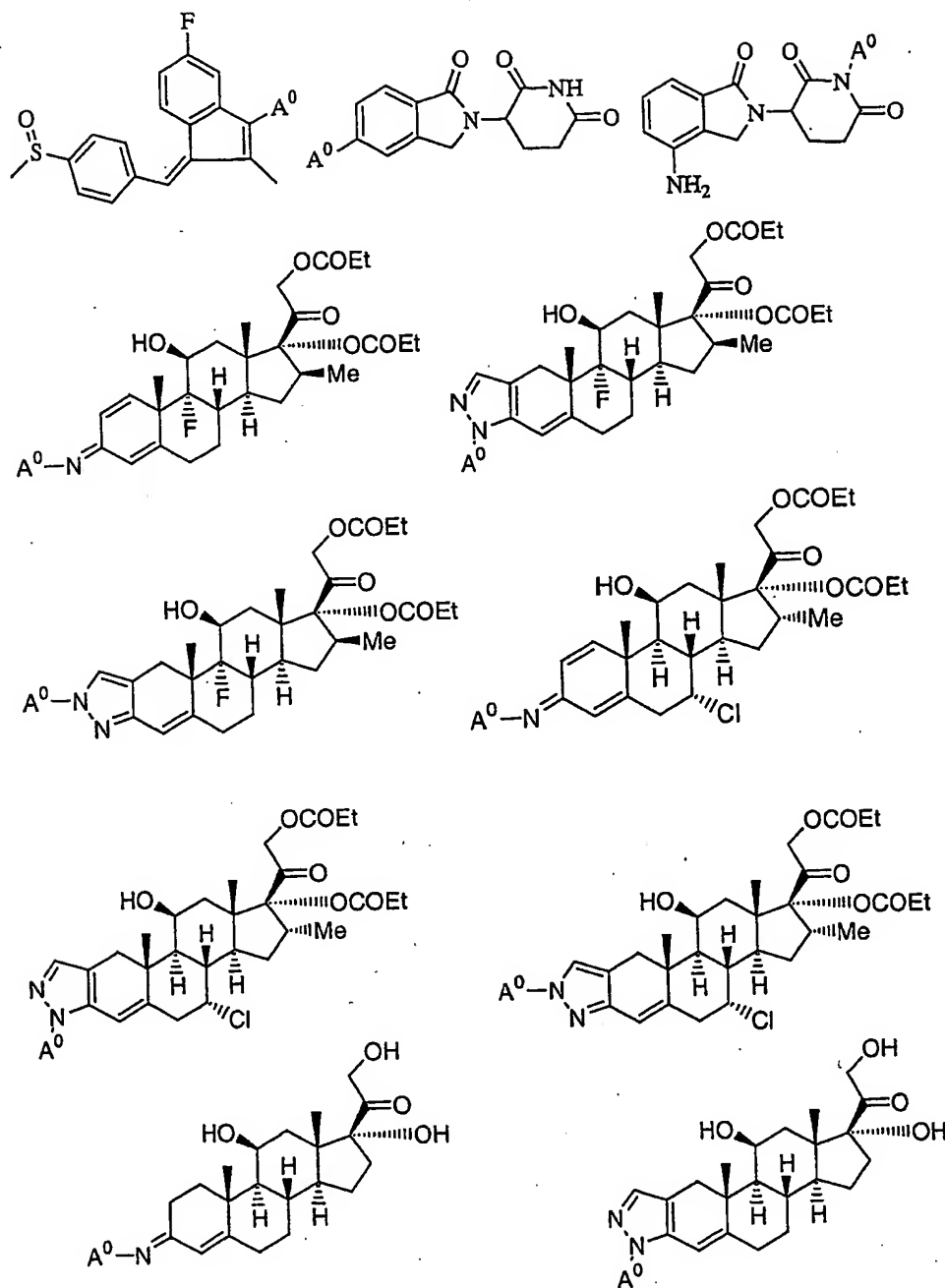


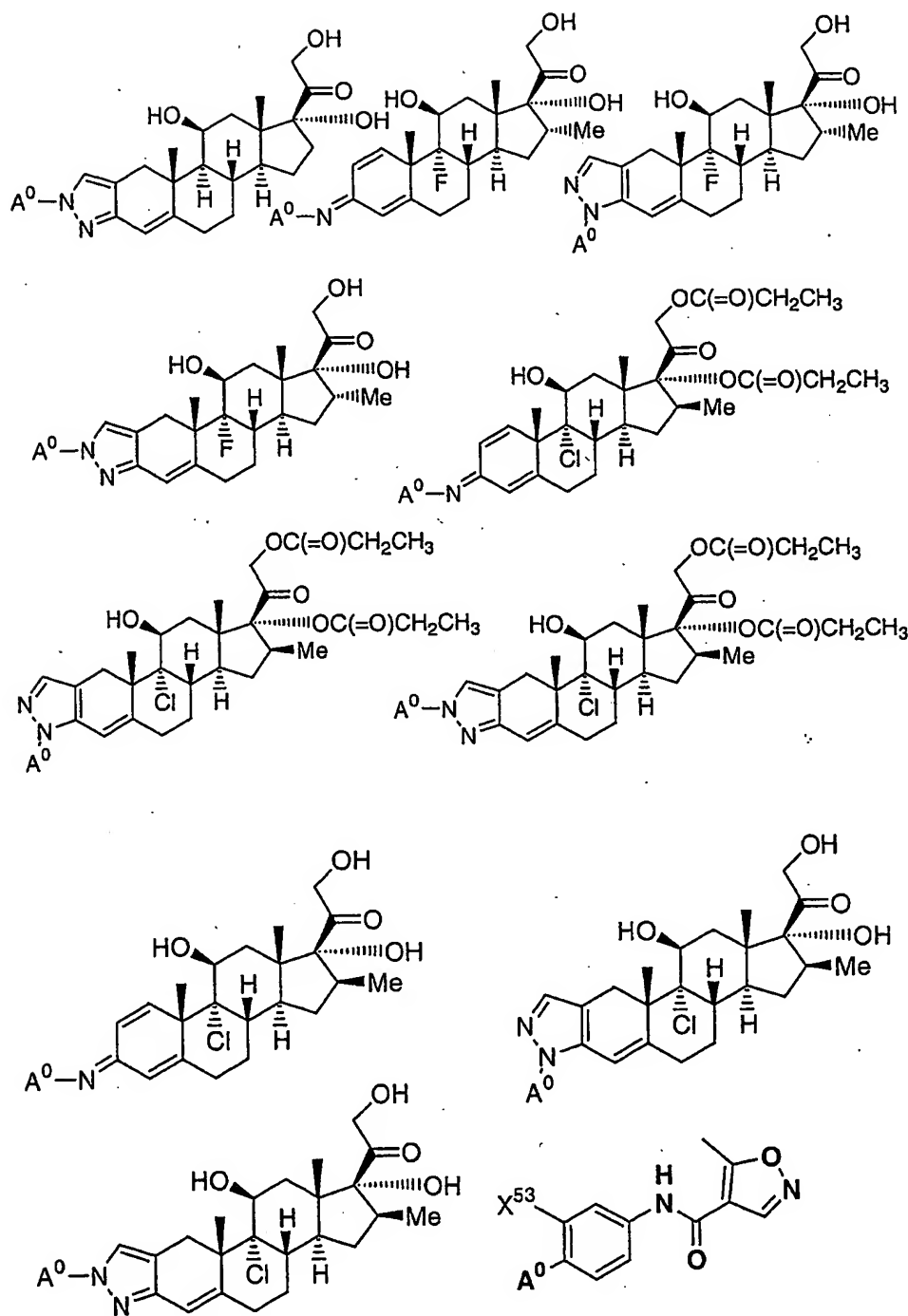


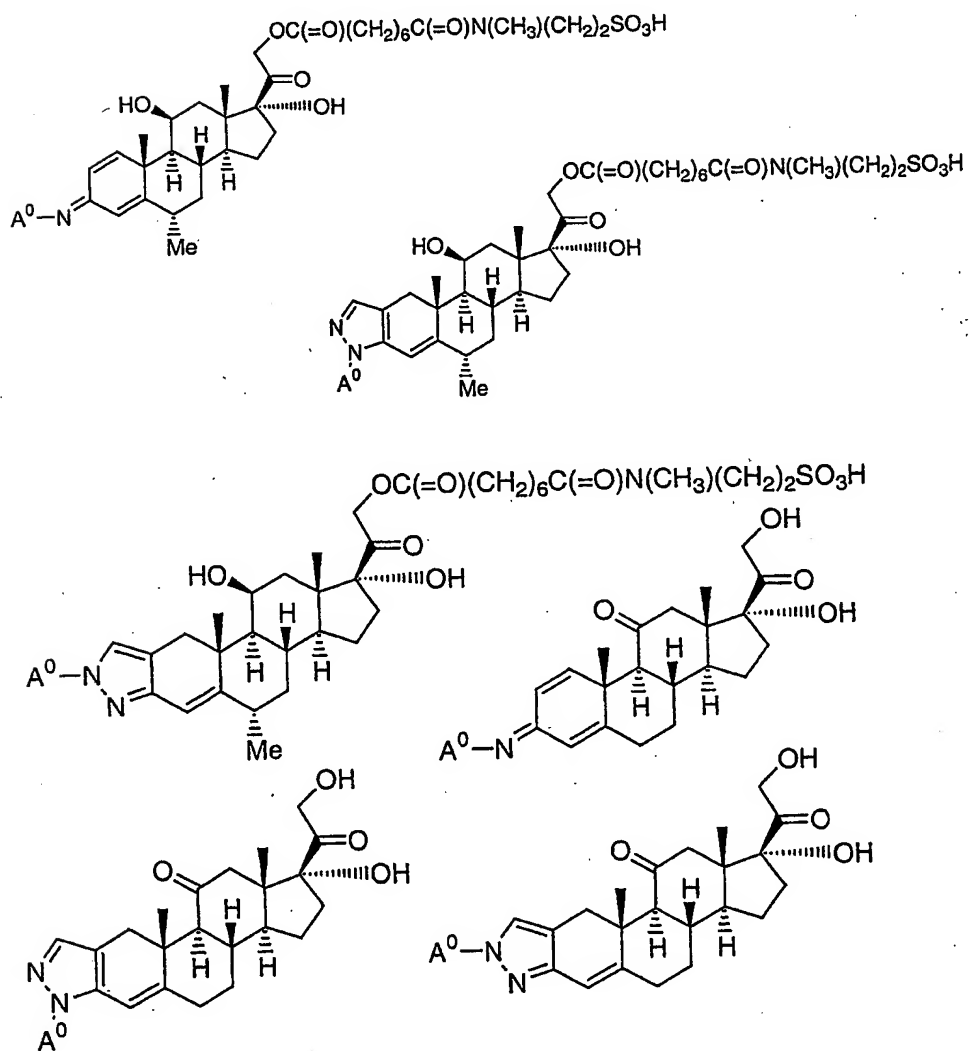
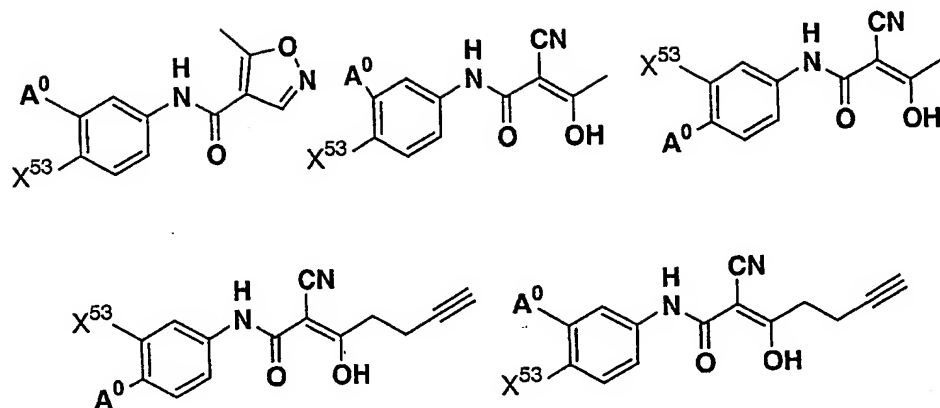


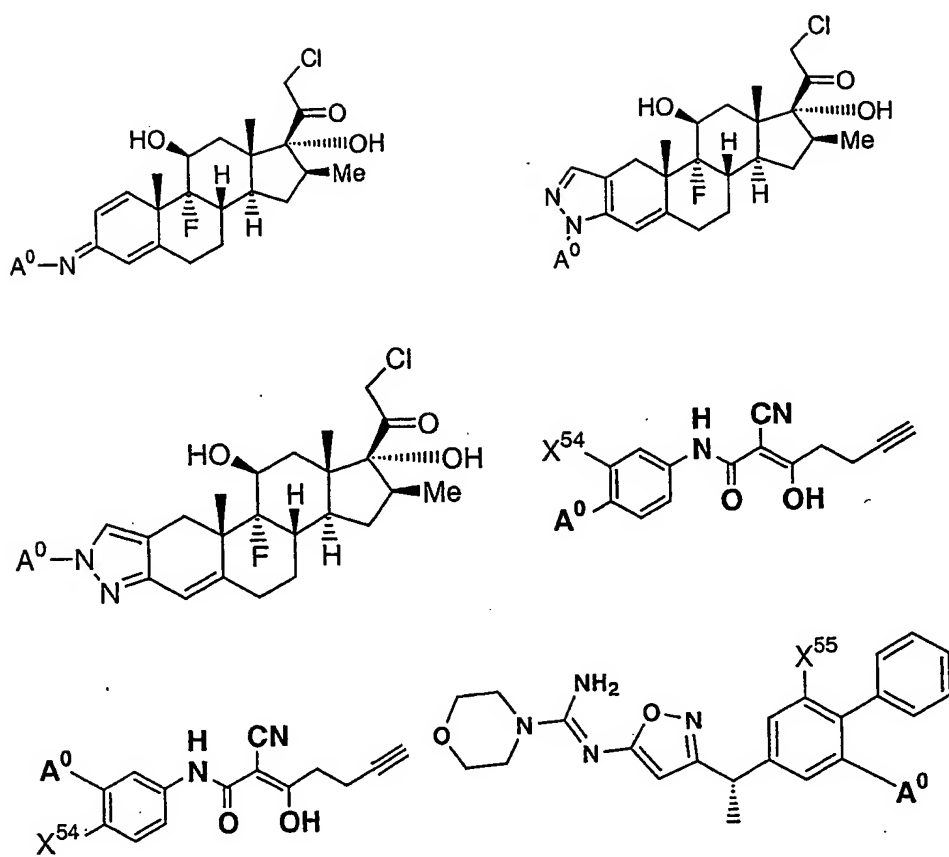


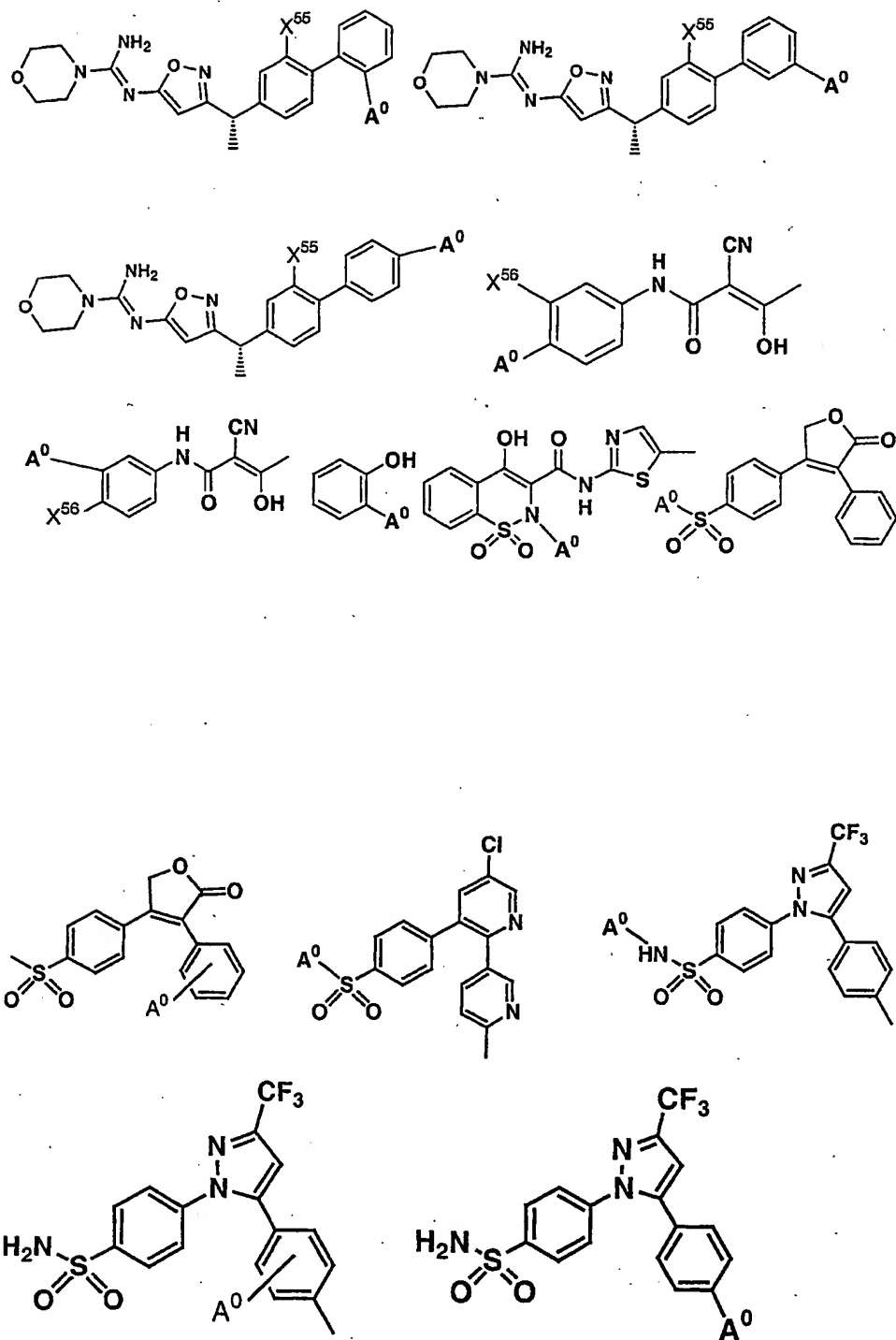


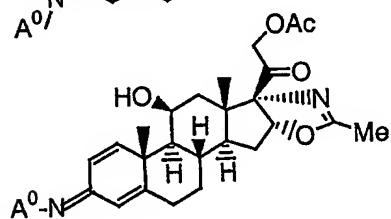
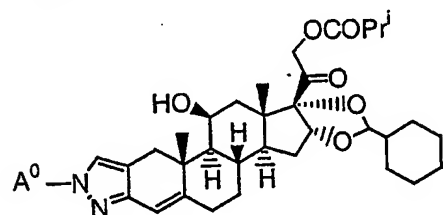
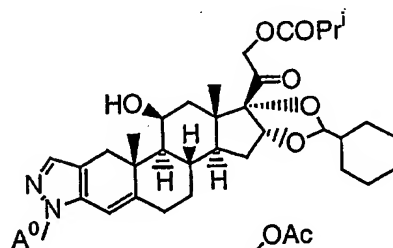
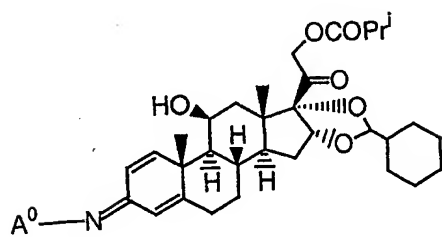
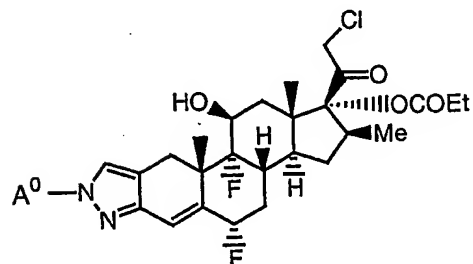
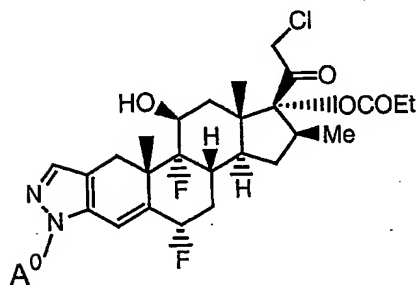
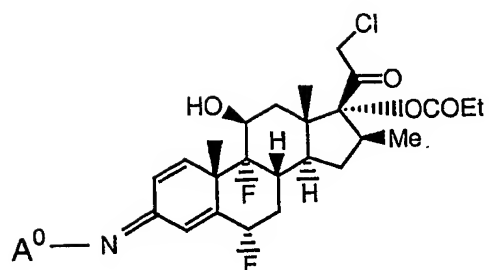
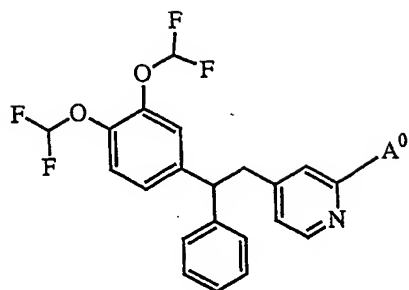


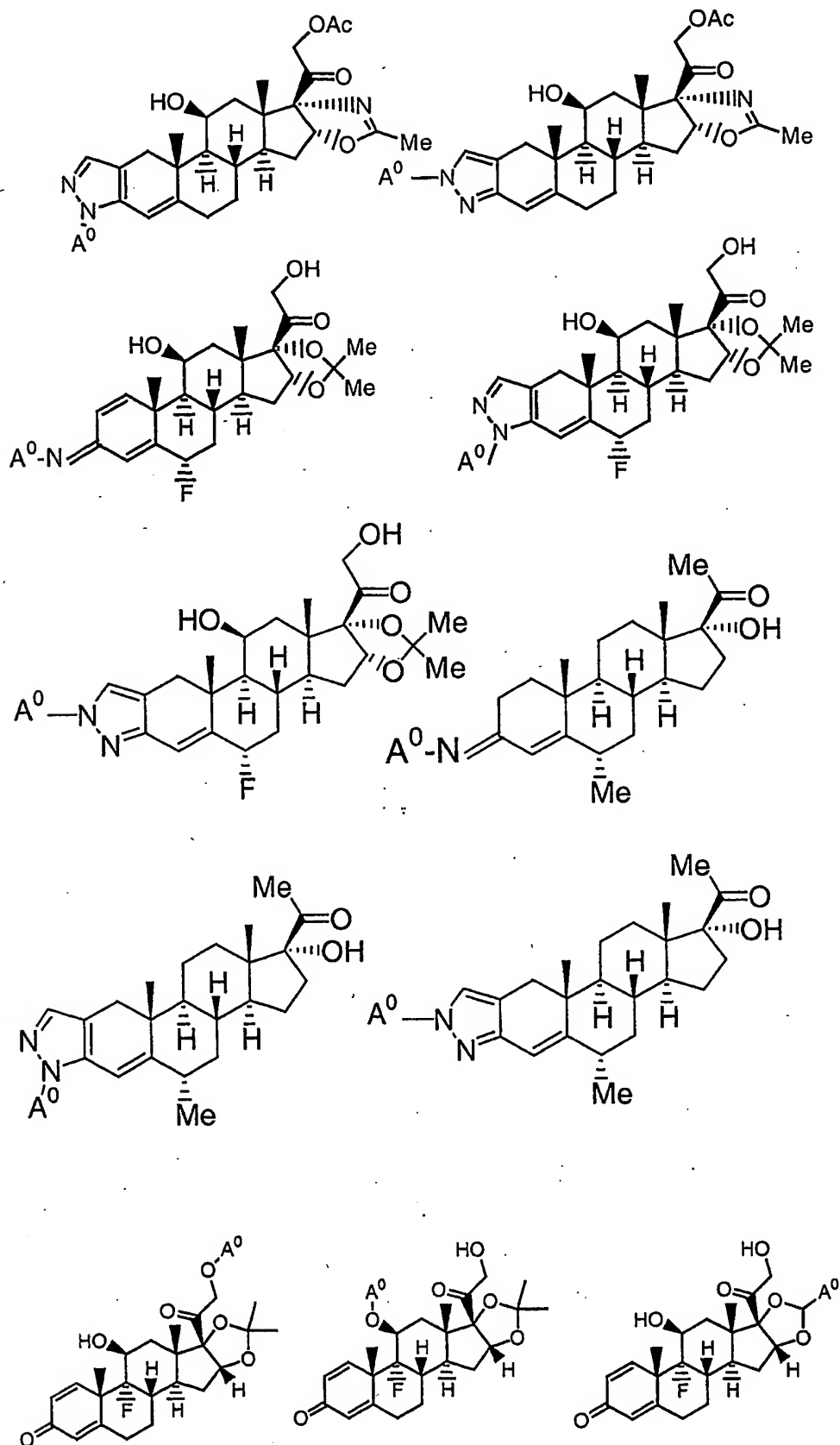


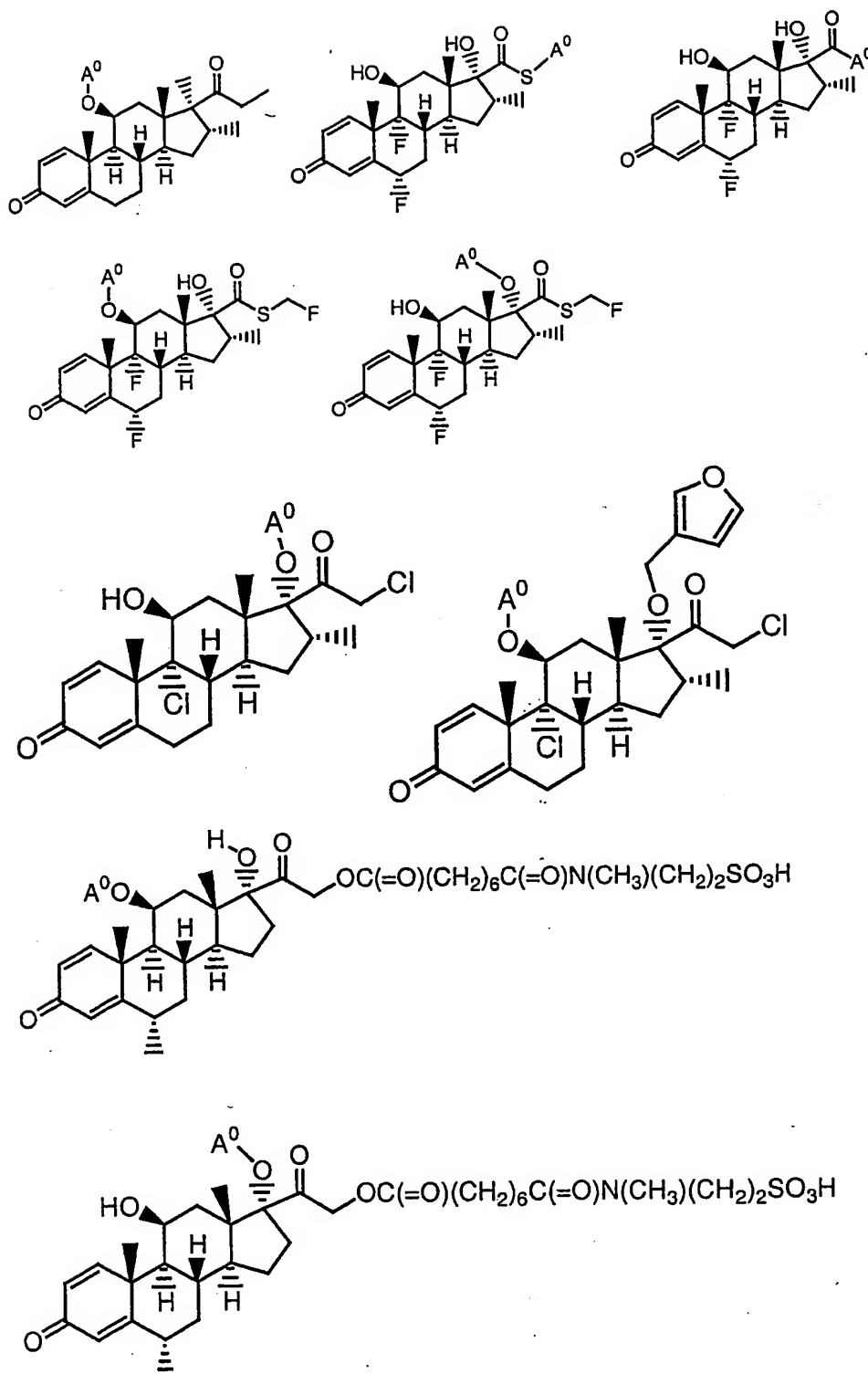


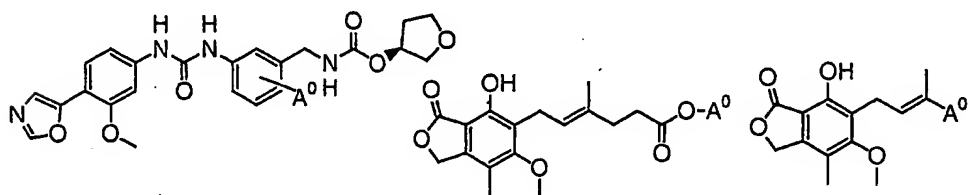
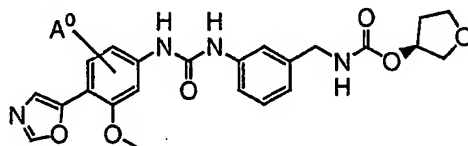
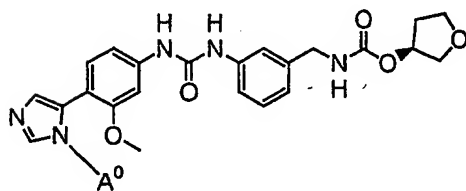
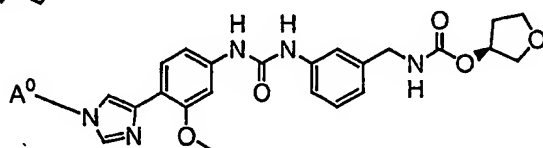
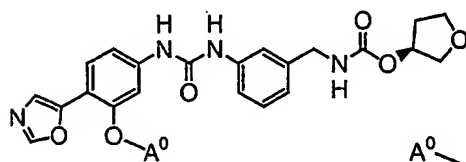
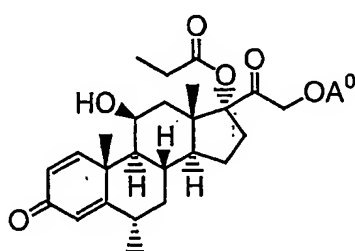
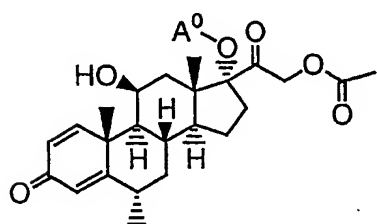
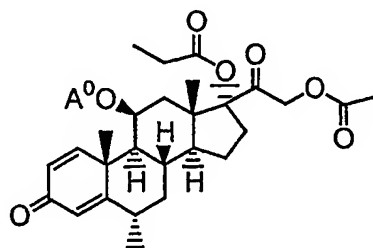
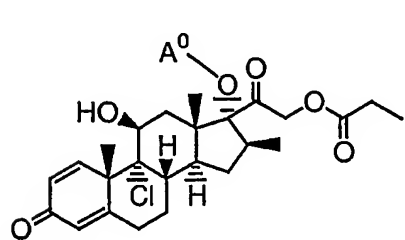
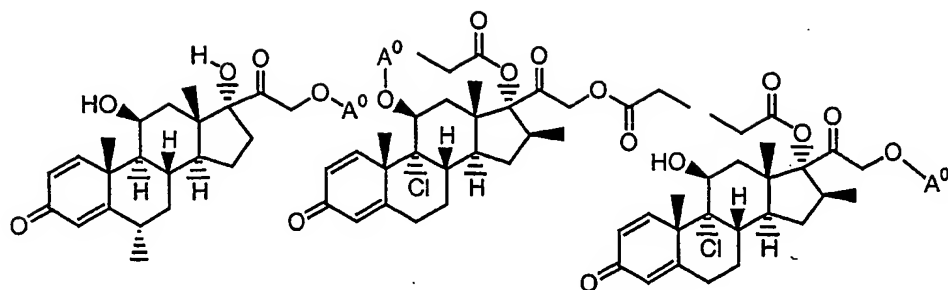


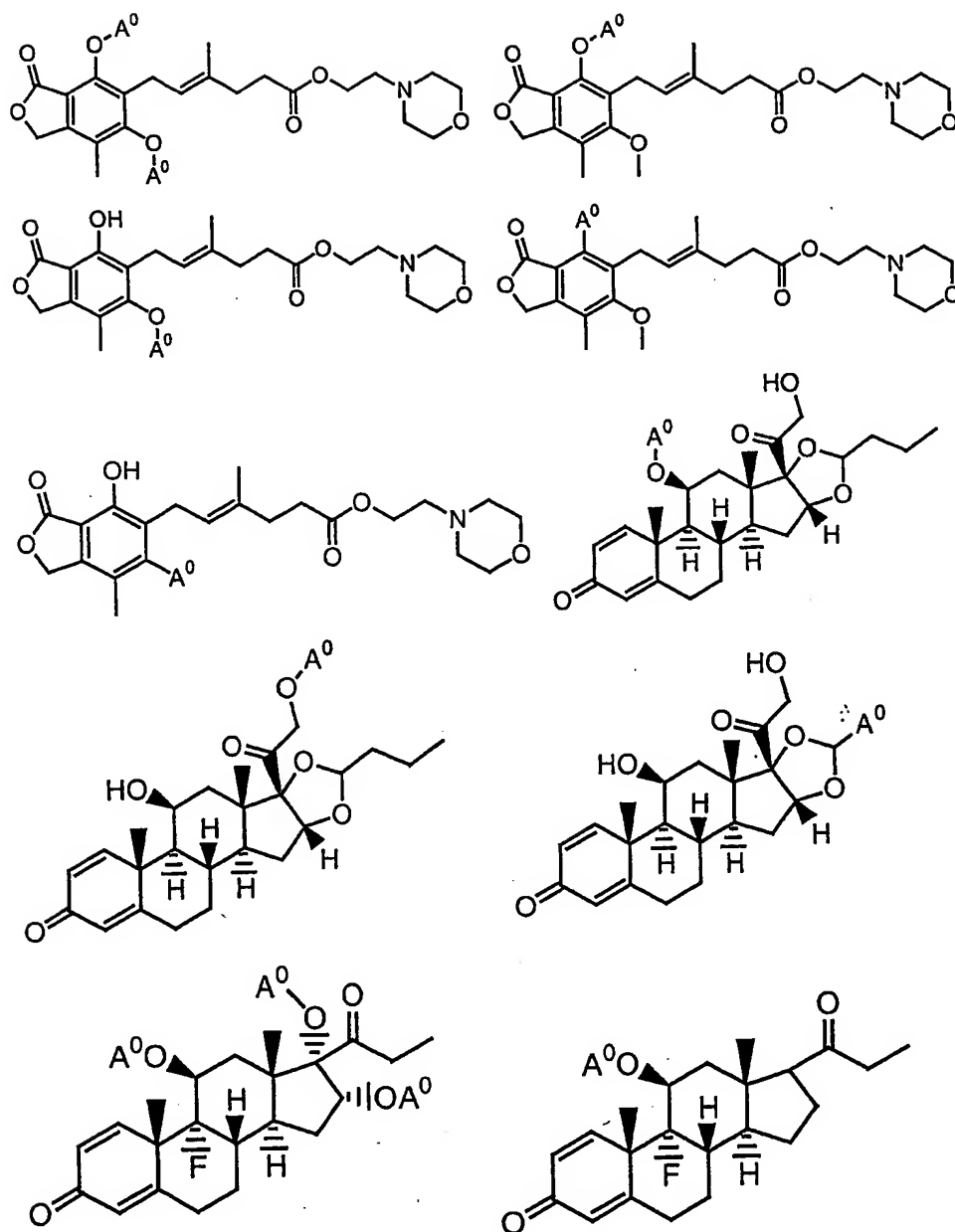


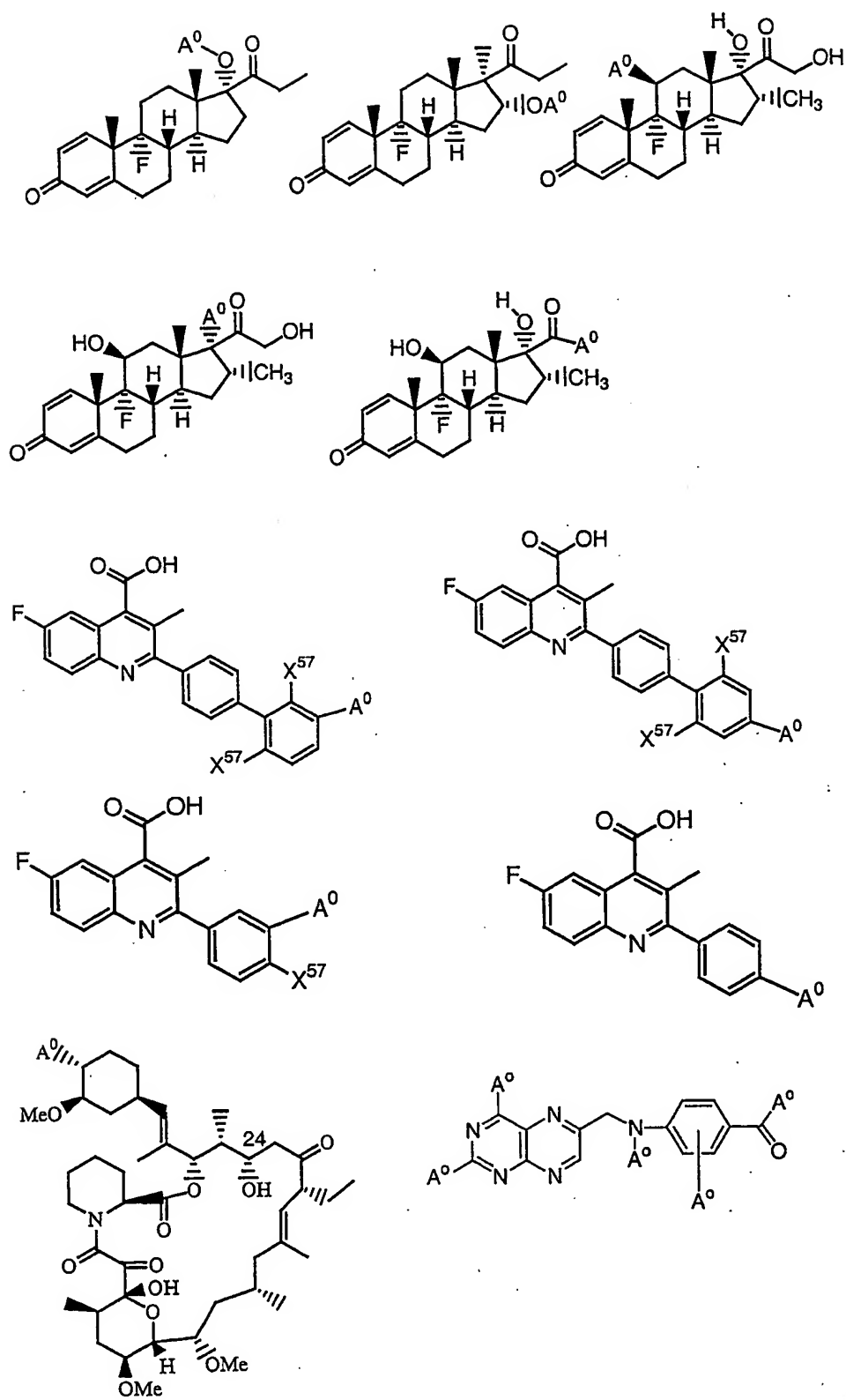


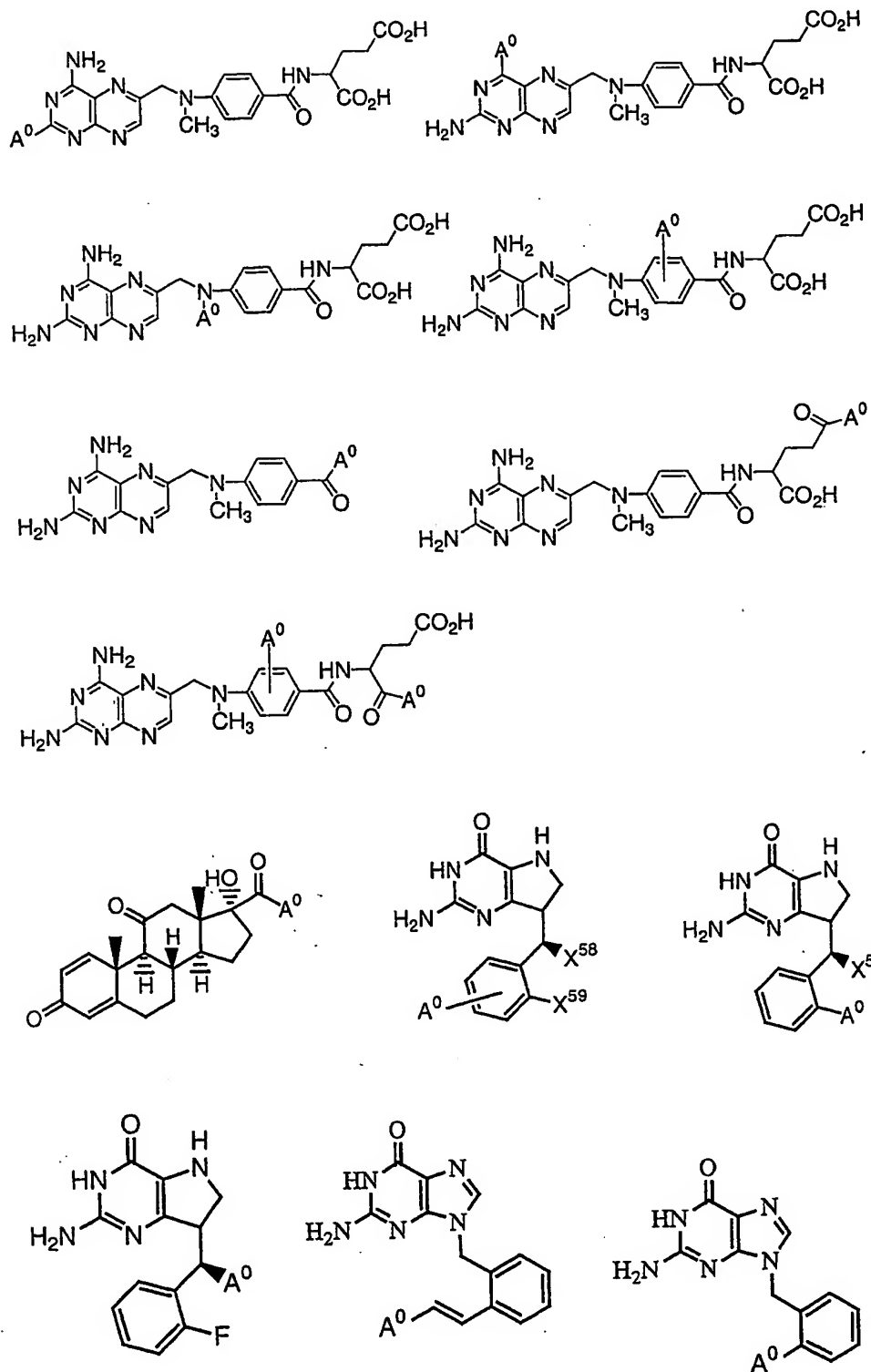


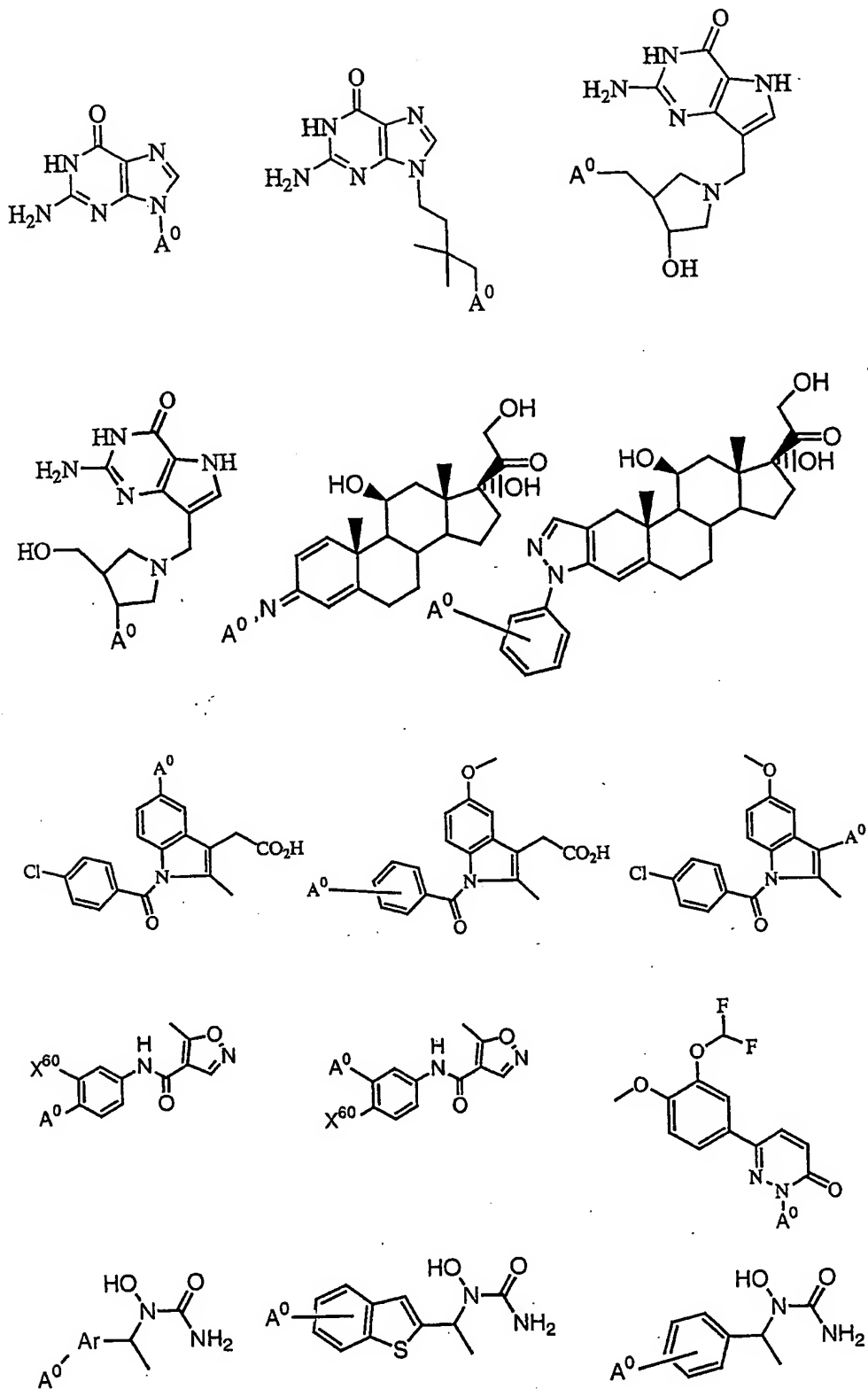


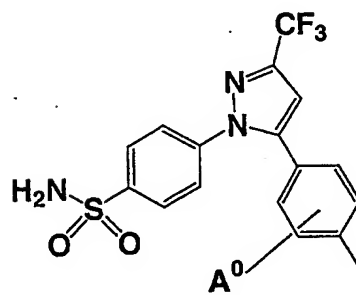
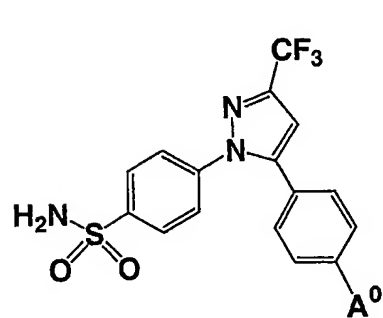
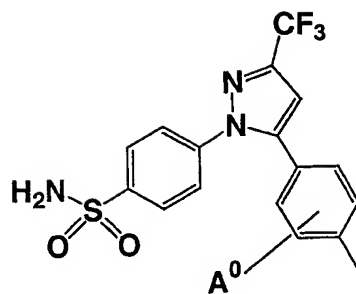
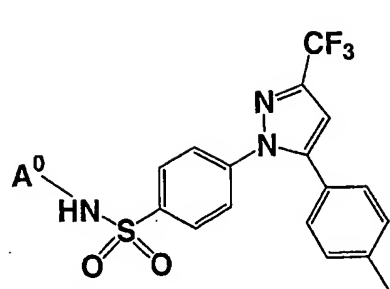


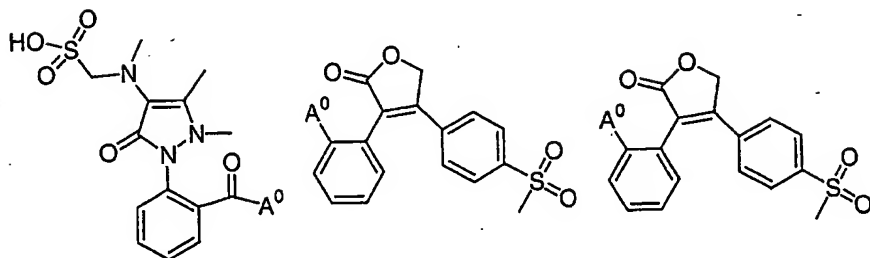
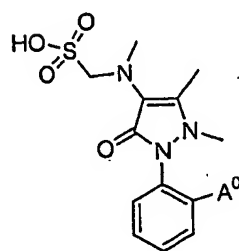
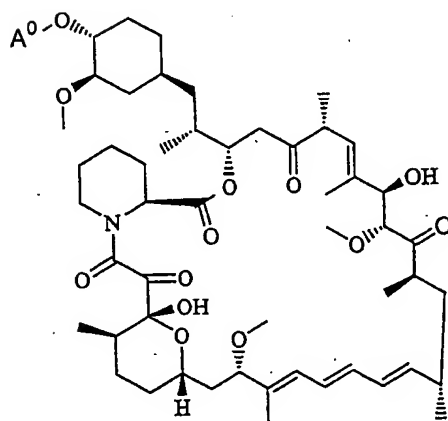
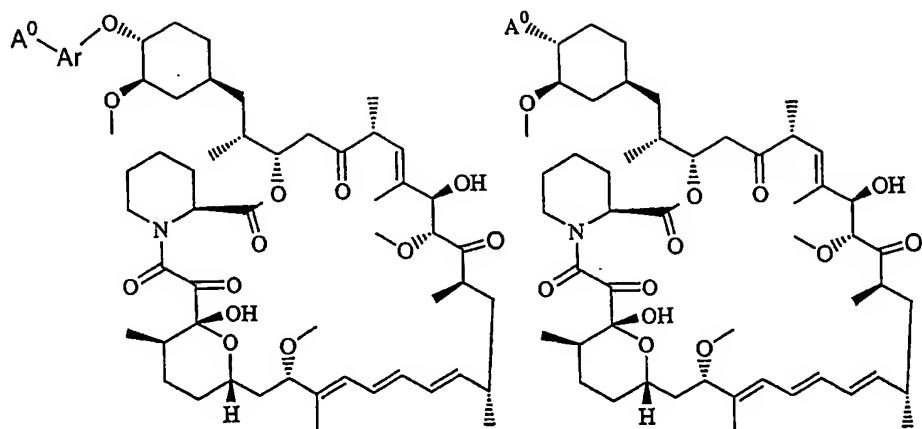


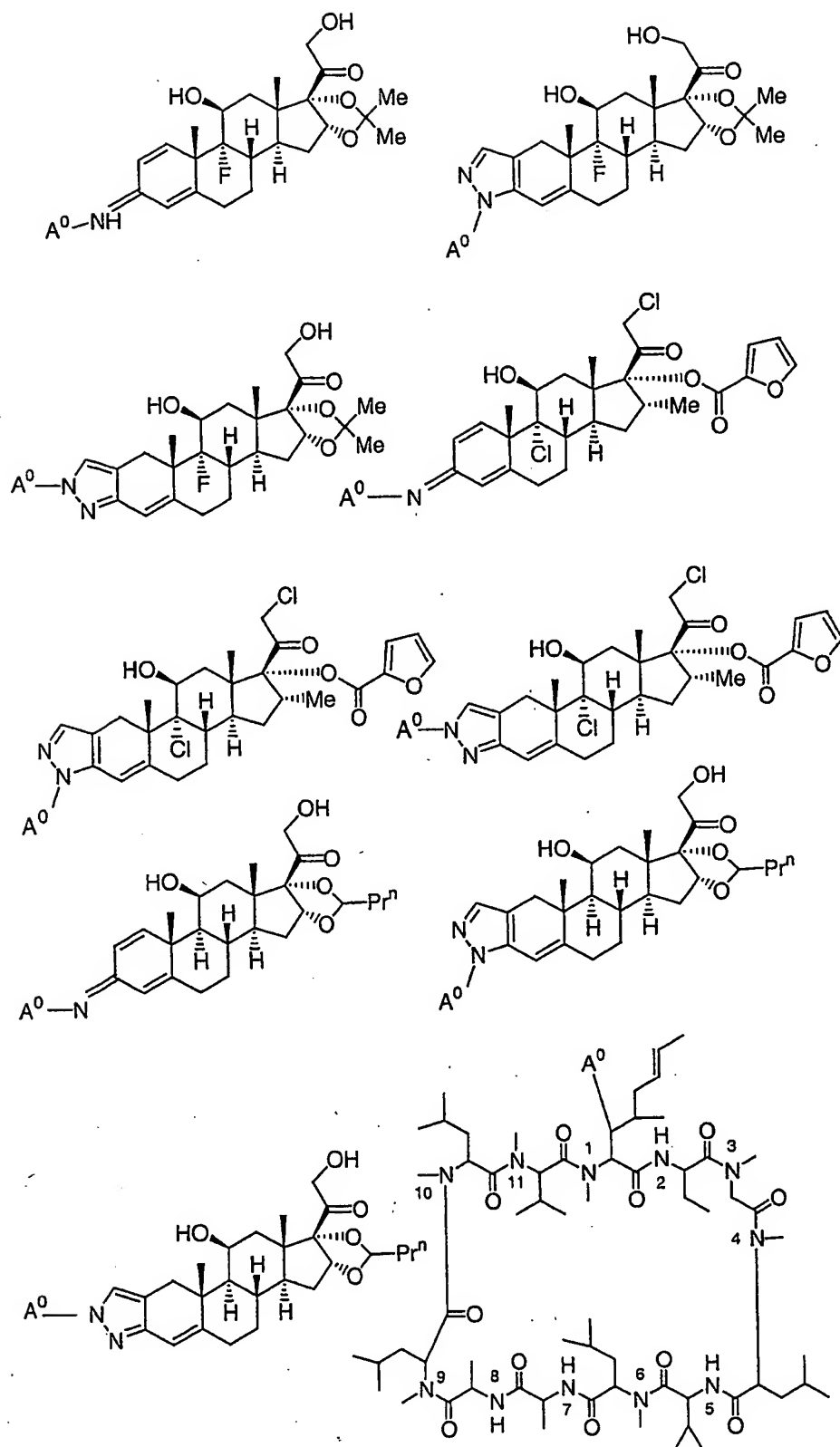


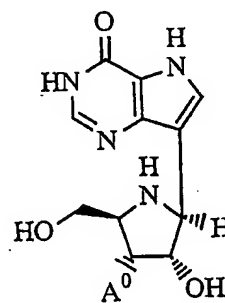
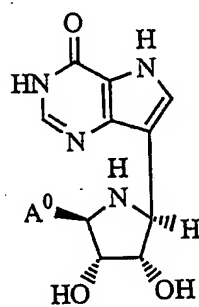
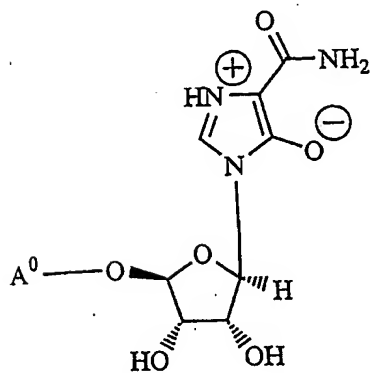
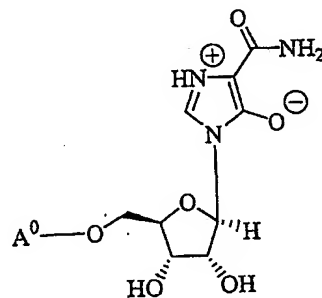
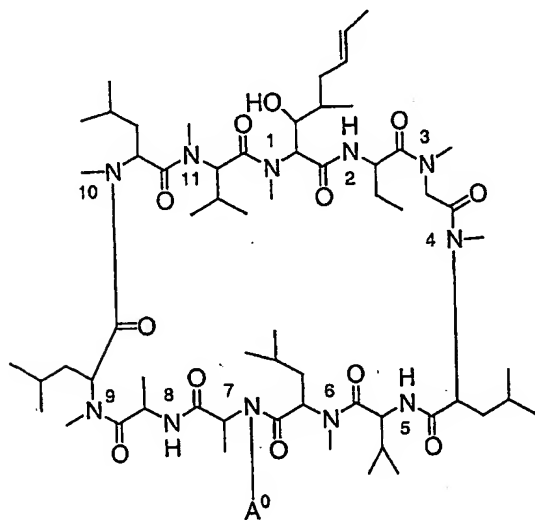
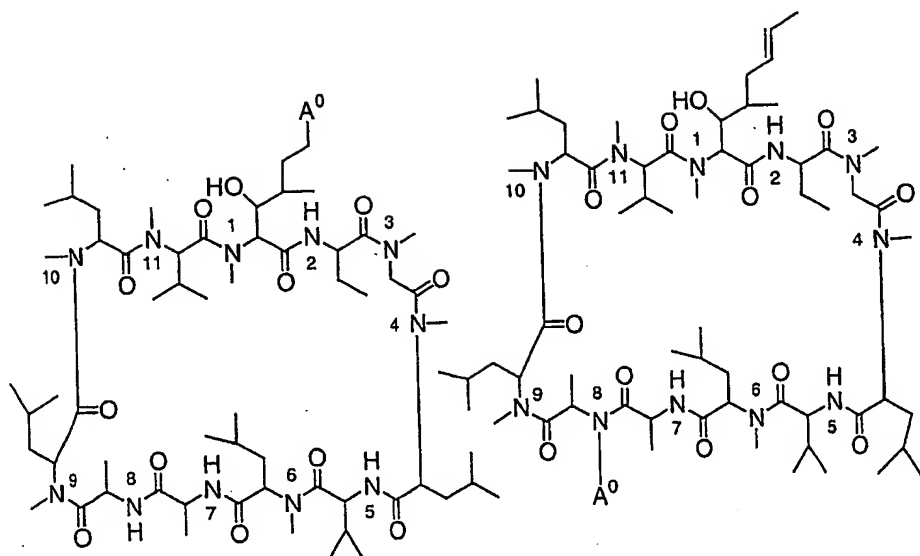


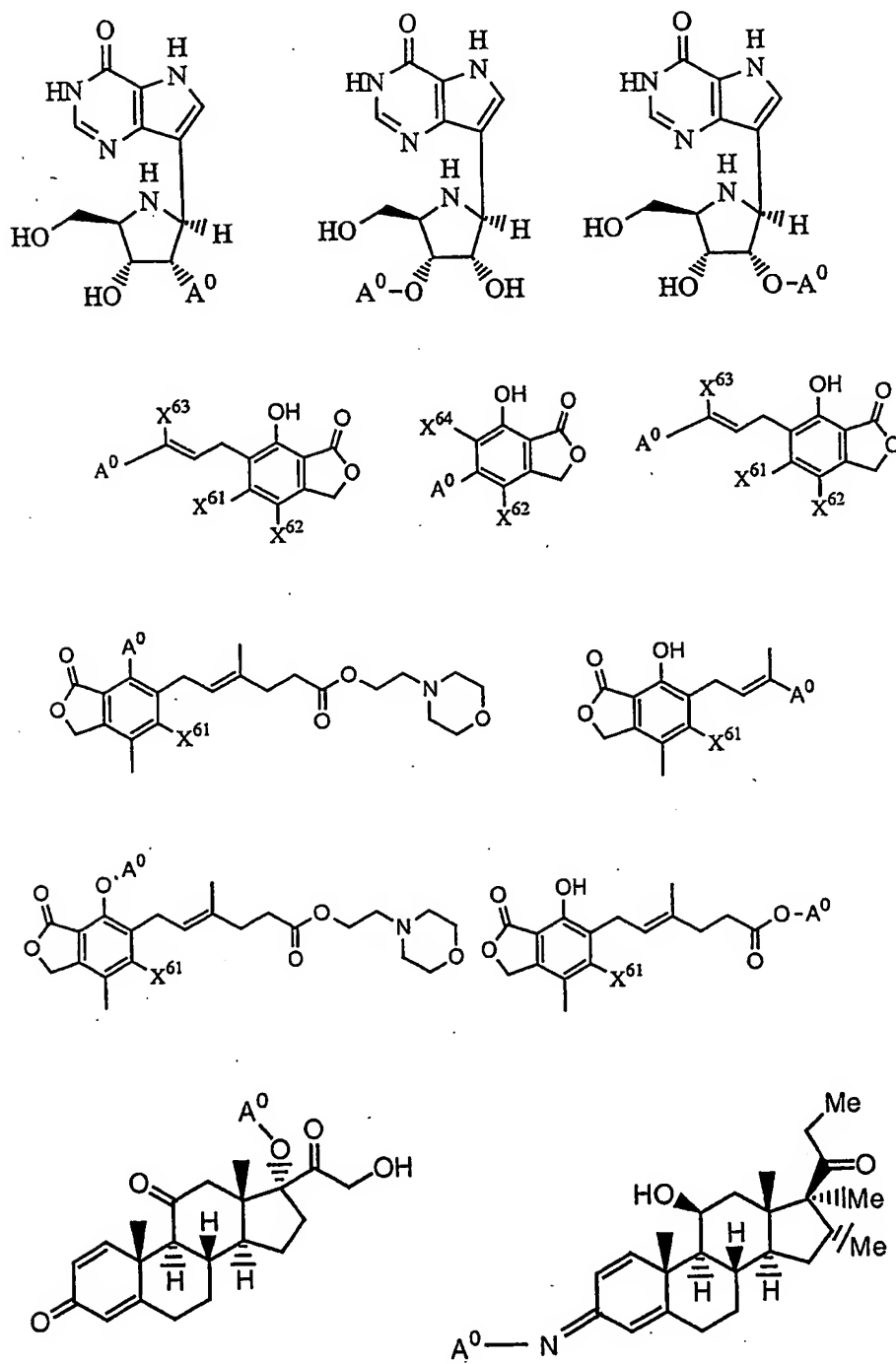


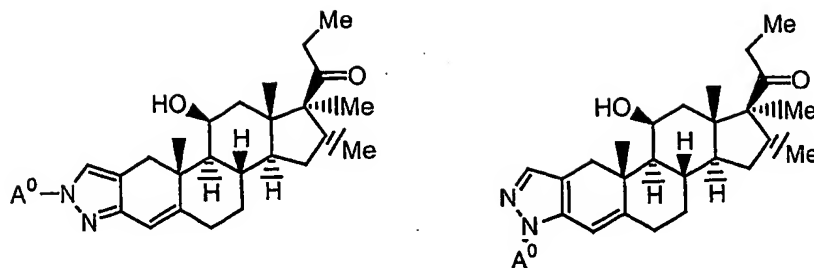








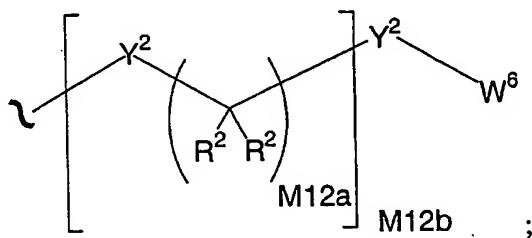




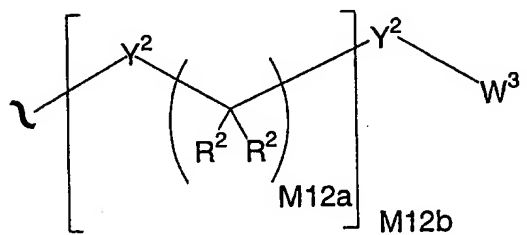
wherein:

A^0 is A^1 , A^2 or W^3 with the proviso that one A^0 is A^1 ;

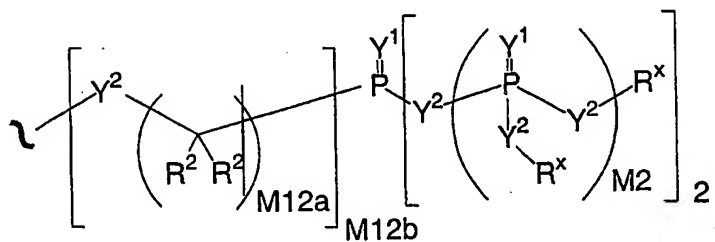
A^1 is:



A^2 is:



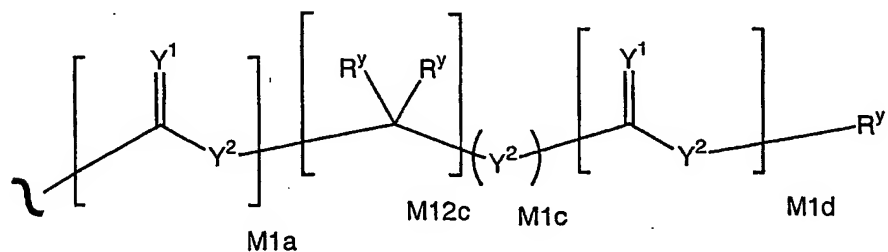
A^3 is:



Y^1 is independently O, S, $N(R^x)$, $N(O)(R^x)$, $N(OR^x)$, $N(O)(OR^x)$, or $N(N(R^x)(R^x))$;

Y^2 is independently a bond, O, $N(R^x)$, $N(O)(R^x)$, $N(OR^x)$, $N(O)(OR^x)$, $N(N(R^x)(R^x))$, $-S(O)_{M2}-$, or $-S(O)_{M2}-S(O)_{M2}-$; and when Y^2 joins two phosphorous atoms Y^2 can also be $C(R^2)(R^2)$;

R^x is independently H, R^1 , R^2 , W^3 , a protecting group, or the formula:



wherein:

R^y is independently H, W^3 , R^2 or a protecting group;

R^1 is independently H or alkyl of 1 to 18 carbon atoms;

R^2 is independently H, R^1 , R^3 or R^4 wherein each R^4 is independently substituted with 0 to 3 R^3 groups or taken together at a carbon atom, two R^2 groups form a ring of 3 to 8 carbons and the ring may be substituted with 0 to 3 R^3 groups;

R^3 is R^{3a} , R^{3b} , R^{3c} or R^{3d} , provided that when R^3 is bound to a heteroatom, then R^3 is R^{3c} or R^{3d} ;

R^{3a} is F, Cl, Br, I, -CN, N_3 or $-NO_2$;

R^{3b} is Y^1 ;

R^{3c} is $-R^x$, $-N(R^x)(R^x)$, $-SR^x$, $-S(O)R^x$, $-S(O)_2R^x$, $-S(O)(OR^x)$, $-S(O)_2(OR^x)$, $-OC(Y^1)R^x$, $-OC(Y^1)OR^x$, $-OC(Y^1)(N(R^x)(R^x))$, $-SC(Y^1)R^x$, $-SC(Y^1)OR^x$, $-SC(Y^1)(N(R^x)(R^x))$, $-N(R^x)C(Y^1)R^x$, $-N(R^x)C(Y^1)OR^x$, or $-N(R^x)C(Y^1)(N(R^x)(R^x))$;

R^{3d} is $-C(Y^1)R^x$, $-C(Y^1)OR^x$ or $-C(Y^1)(N(R^x)(R^x))$;

R^4 is an alkyl of 1 to 18 carbon atoms, alkenyl of 2 to 18 carbon atoms, or alkynyl of 2 to 18 carbon atoms;

R^5 is R^4 wherein each R^4 is substituted with 0 to 3 R^3 groups;

R^{5a} is independently alkylene of 1 to 18 carbon atoms, alkenylene of 2 to 18 carbon atoms, or alkynylene of 2-18 carbon atoms any one of which alkylene, alkenylene or alkynylene is substituted with 0-3 R^3 groups;

W^3 is W^4 or W^5 ;

W^4 is R^5 , $-C(Y^1)R^5$, $-C(Y^1)W^5$, $-SO_2R^5$, or $-SO_2W^5$;

W⁵ is carbocycle or heterocycle wherein W⁵ is independently substituted with 0 to 3 R² groups;

W⁶ is W³ independently substituted with 1, 2, or 3 A³ groups;

M₂ is 0, 1 or 2;

M_{12a} is 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

M_{12b} is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

M_{1a}, M_{1c}, and M_{1d} are independently 0 or 1;

M_{12c} is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

X⁵⁰ is H or F;

X⁵¹ is H, hydroxy, or acyloxy;

X⁵² is NH₂ or EtC(O)N-Na+;

X⁵³ is H, methyl, CF₃, or halo;

X⁵⁴ is H, halo, trifluoromethyl, (C1-C3)alkyl, cyano, or (C1-C3)alkoxy;

X⁵⁵ is H, F, Cl, Br, methyl, or trifluoromethyl;

X⁵⁶ is hydrogen, halo, trifluoromethyl, cyano, methyl;

X⁵⁷ is H, F, Cl, CF₃, cyano, methyl, or *t*-butyl;

X⁵⁸ is H or CH₂OH;

X⁵⁹ is H or F;

X⁶⁰ is H, trifluoromethyl, or cyano;

X⁶¹ is methoxy, ethoxy, propoxy, difluoromethoxy, trifluoromethoxy, vinyl, ethyl, methyl, propyl, butyl, cyclopropyl, N-methylamino, or N-formylamino;

X⁶² is methyl, chloro, or trifluoromethyl;

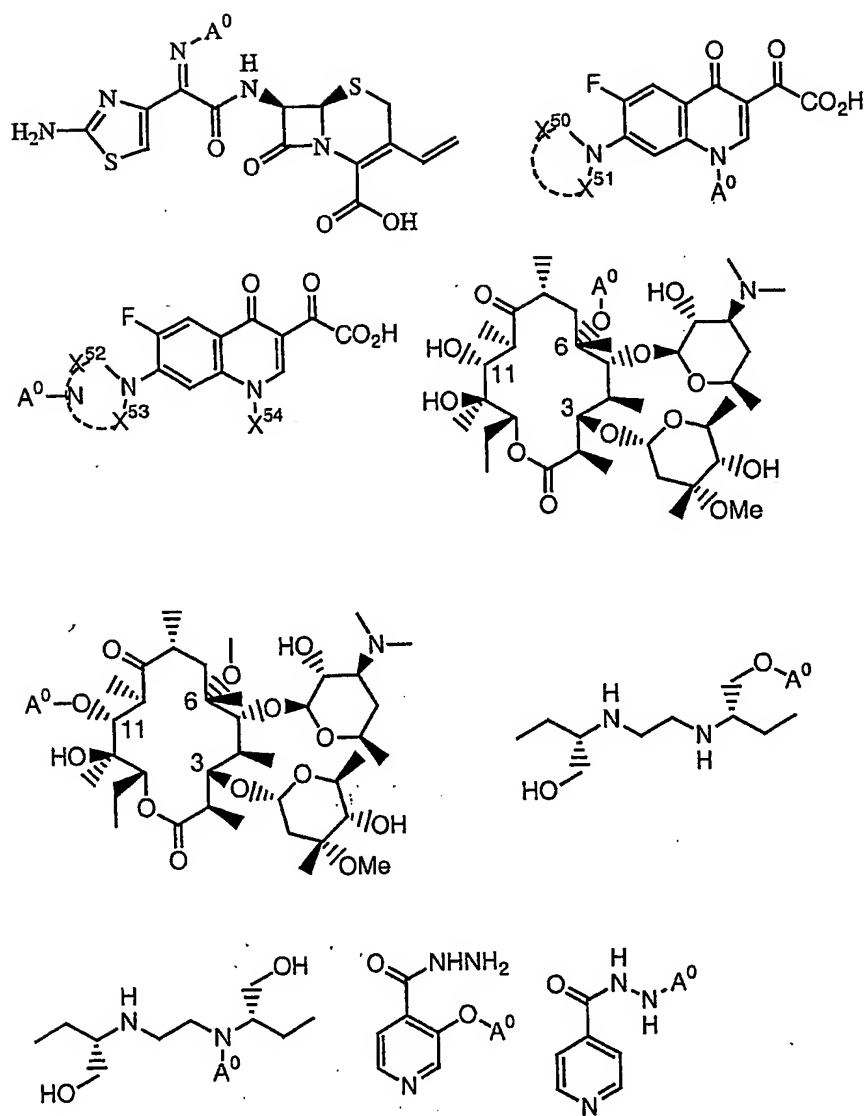
X⁶³ is H, methyl, ethyl, cyclopropyl, vinyl, or trifluoromethyl;

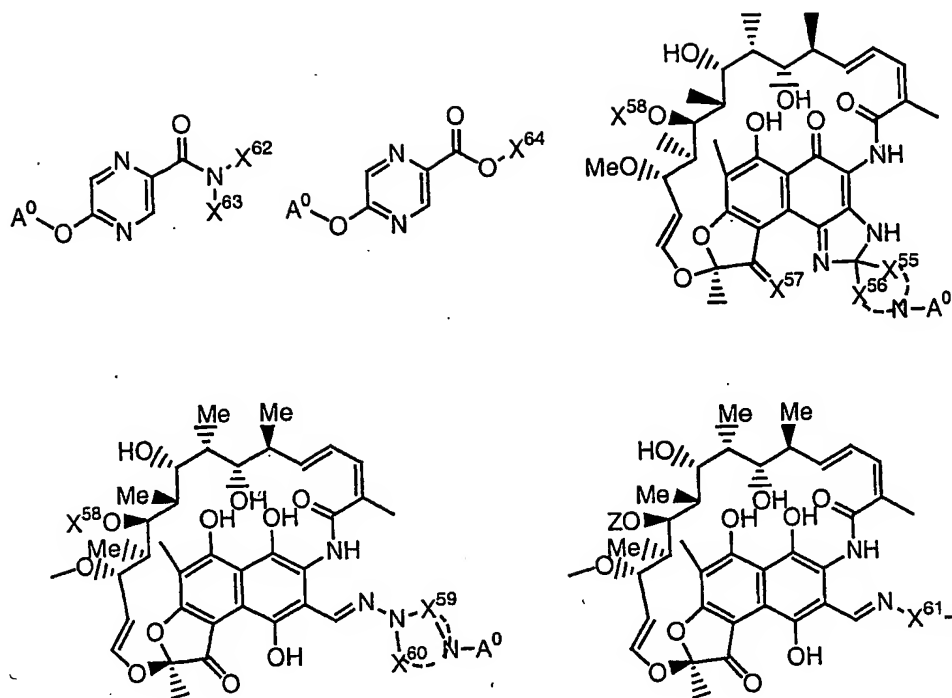
X⁶⁴ is H, methyl, ethyl, cyclopropyl, chloro, vinyl, allyl, 3-methyl-1-buten-1-yl;

X⁶⁵ is H or F; and

Ar is aryl or heteroaryl.

23. The conjugate of claim 1 which has one of the following formulae:

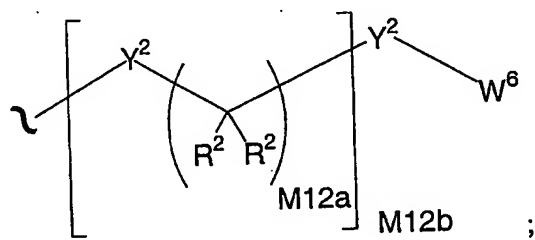




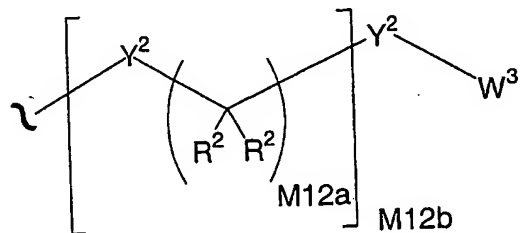
wherein:

A^0 is A^1 , A^2 or W^3 with the proviso that one A^0 is A^1 ;

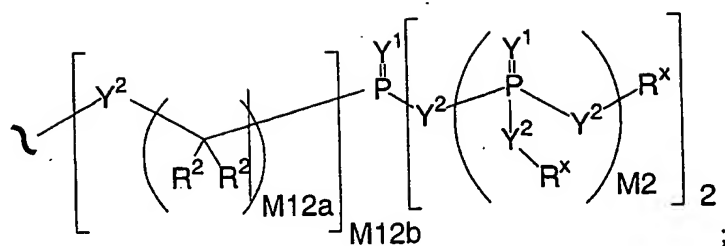
A^1 is:



A^2 is:



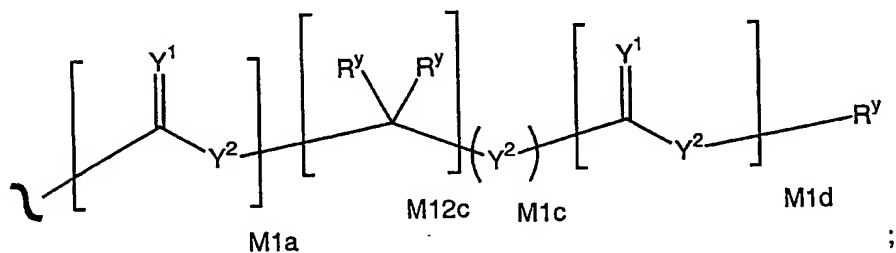
A^3 is:



Y^1 is independently O, S, $N(R^x)$, $N(O)(R^x)$, $N(OR^x)$, $N(O)(OR^x)$, or $N(N(R^x)(R^x))$;

Y^2 is independently a bond, O, $N(R^x)$, $N(O)(R^x)$, $N(OR^x)$, $N(O)(OR^x)$, $N(N(R^x)(R^x))$, $-S(O)_{M2-}$, or $-S(O)_{M2-}S(O)_{M2-}$; and when Y^2 joins two phosphorous atoms Y^2 can also be $C(R^2)(R^2)$;

R^x is independently H, R^1 , R^2 , W^3 , a protecting group, or the formula:



wherein:

R^y is independently H, W^3 , R^2 or a protecting group;

R^1 is independently H or alkyl of 1 to 18 carbon atoms;

R^2 is independently H, R^1 , R^3 or R^4 wherein each R^4 is independently substituted with 0 to 3 R^3 groups or taken together at a carbon atom, two R^2 groups form a ring of 3 to 8 carbons and the ring may be substituted with 0 to 3 R^3 groups;

R^3 is R^{3a} , R^{3b} , R^{3c} or R^{3d} , provided that when R^3 is bound to a heteroatom, then R^3 is R^{3c} or R^{3d} ;

R^{3a} is F, Cl, Br, I, -CN, N_3 or $-NO_2$;

R^{3b} is Y^1 ;

R^{3c} is $-R^x$, $-N(R^x)(R^x)$, $-SR^x$, $-S(O)R^x$, $-S(O)_2R^x$, $-S(O)(OR^x)$, $-S(O)_2(OR^x)$, $-OC(Y^1)R^x$, $-OC(Y^1)OR^x$, $-OC(Y^1)(N(R^x)(R^x))$, $-SC(Y^1)R^x$, $-SC(Y^1)OR^x$, $-SC(Y^1)(N(R^x)(R^x))$, $-N(R^x)C(Y^1)R^x$, $-N(R^x)C(Y^1)OR^x$, or $-N(R^x)C(Y^1)(N(R^x)(R^x))$;

R^{3d} is $-C(Y^1)R^x$, $-C(Y^1)OR^x$ or $-C(Y^1)(N(R^x)(R^x))$;

R^4 is an alkyl of 1 to 18 carbon atoms, alkenyl of 2 to 18 carbon atoms, or alkynyl of 2 to 18 carbon atoms;

R^5 is R^4 wherein each R^4 is substituted with 0 to 3 R^3 groups;

R^{5a} is independently alkylene of 1 to 18 carbon atoms, alkenylene of 2 to 18 carbon atoms, or alkynylene of 2-18 carbon atoms any one of which alkylene, alkenylene or alkynylene is substituted with 0-3 R^3 groups;

W^3 is W^4 or W^5 ;

W^4 is R^5 , $-C(Y^1)R^5$, $-C(Y^1)W^5$, $-SO_2R^5$, or $-SO_2W^5$;

W^5 is carbocycle or heterocycle wherein W^5 is independently substituted with 0 to 3 R^2 groups;

W^6 is W^3 independently substituted with 1, 2, or 3 A^3 groups;

M2 is 0, 1 or 2;

M12a is 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

M12b is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

M1a, M1c, and M1d are independently 0 or 1;

M12c is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

X^{50} and X^{51} are alkyl groups which may or may not be linked to each other to form a ring as shown by the dotted curve, which alkyl groups may optionally be substituted intra-chain with one or more heteroatoms such as nitrogen and oxygen, or in a pendant manner with one or more nitrogen, oxygen, or halogen;

X^{52} and X^{53} are alkyl groups which may or may not be connected covalently to form a ring; if they do form a ring they are substituted with at least one heteroatom such as nitrogen, either within the chain (intra-chain) or in a pendant manner, which can serve as a handle for the linkage to the phosphonate moiety; if X^{52} and X^{53} do not form a ring, either or both may be substituted with heteroatoms such as N, O or halogen, wherein one of those heteroatoms, preferably nitrogen, can be used as a point of attachment to A^0 ;

X^{54} is any alkyl, aryl or aralkyl group;

X^{56} and X^{55} are alkyl groups which may be linked to each other to form a ring as shown by the dotted curve, which ring is substituted either in a pendant manner or within the ring itself with a heteroatom; or if X^{56} and X^{55} are not

linked together, at least one of X^{56} and X^{55} is a heteroatom-substituted alkyl group and the other is an alkyl group or a heteroatom-substituted alkyl group, wherein one of X^{56} and X^{55} is linked to A^0 ;

X^{57} is oxo ($=O$), thioxo ($=S$), or hydroxy ($-OH$), provided when X^{57} is hydroxy, the second valence on the ring is occupied by H);

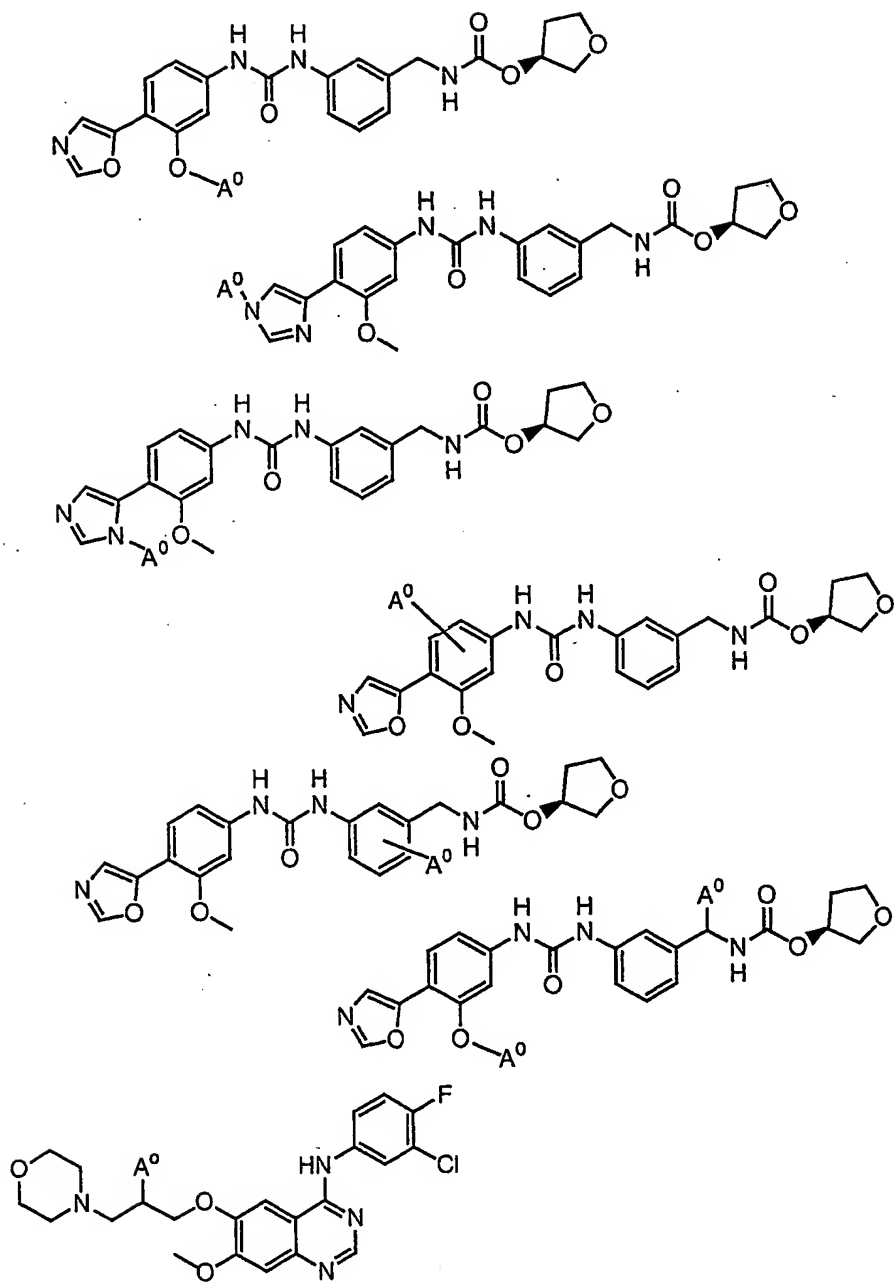
X^{58} is H, formyl, or acetyl;

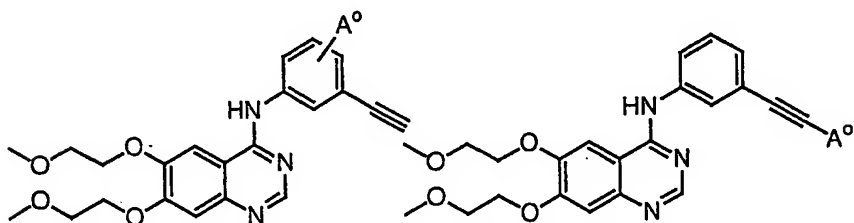
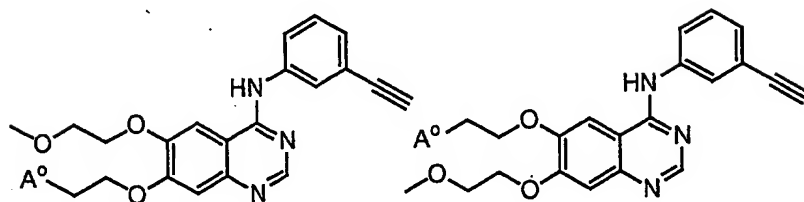
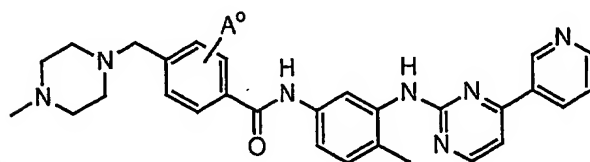
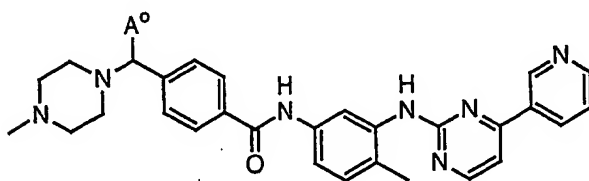
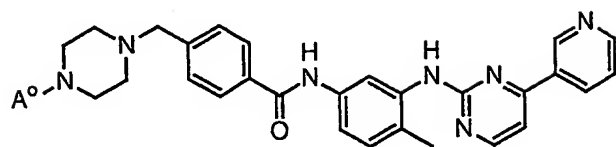
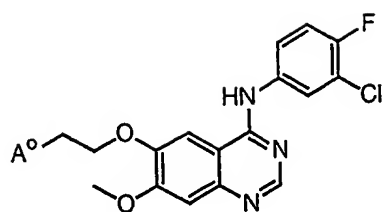
X^{59} and X^{60} are alkyl groups which may be linked to each other to form a ring as shown by the dotted curve, which ring is substituted either in a pendant manner or within the ring itself with a heteroatom; or if X^{59} and X^{60} are not linked together, at least one of X^{59} and X^{60} is a heteroatom-substituted alkyl group and the other is an alkyl group or a heteroatom-substituted alkyl group, wherein one of X^{59} and X^{60} is linked to A^0 ;

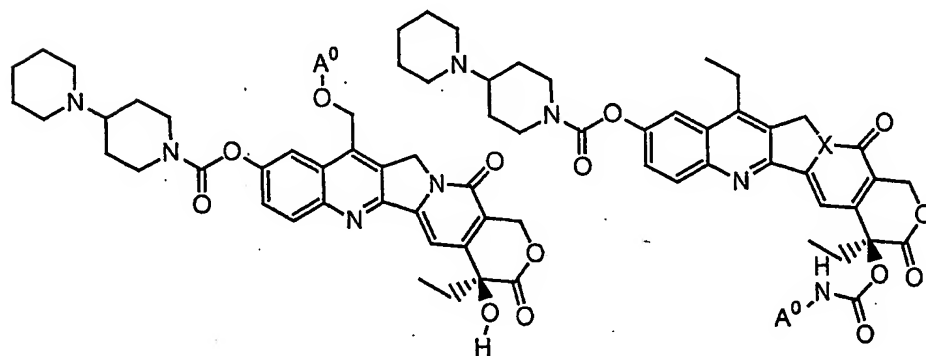
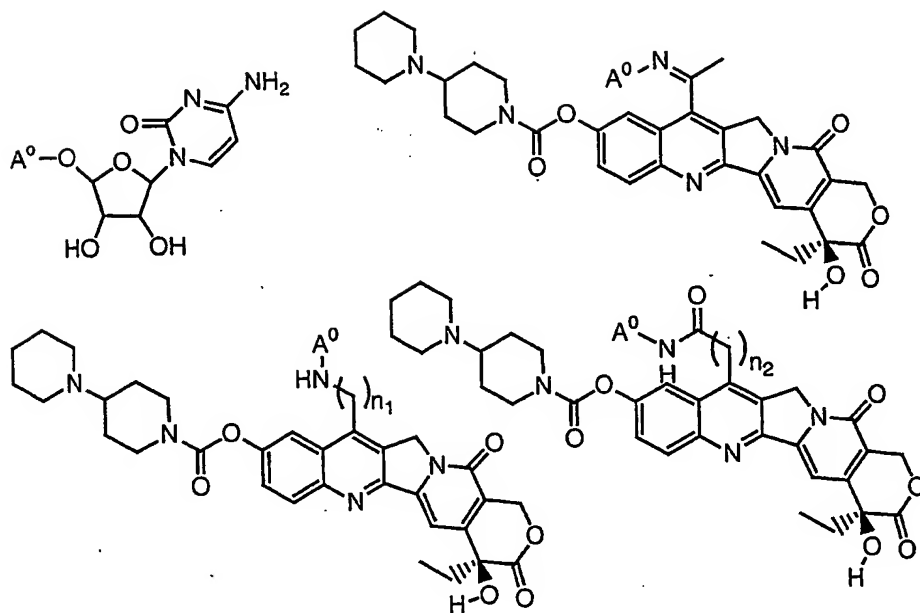
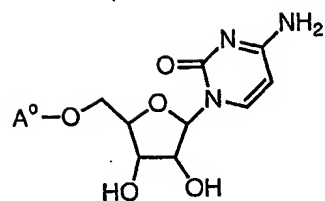
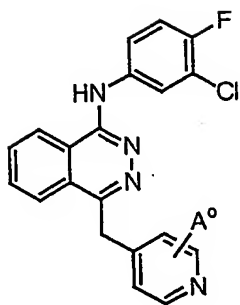
X^{61} is O or NH; and

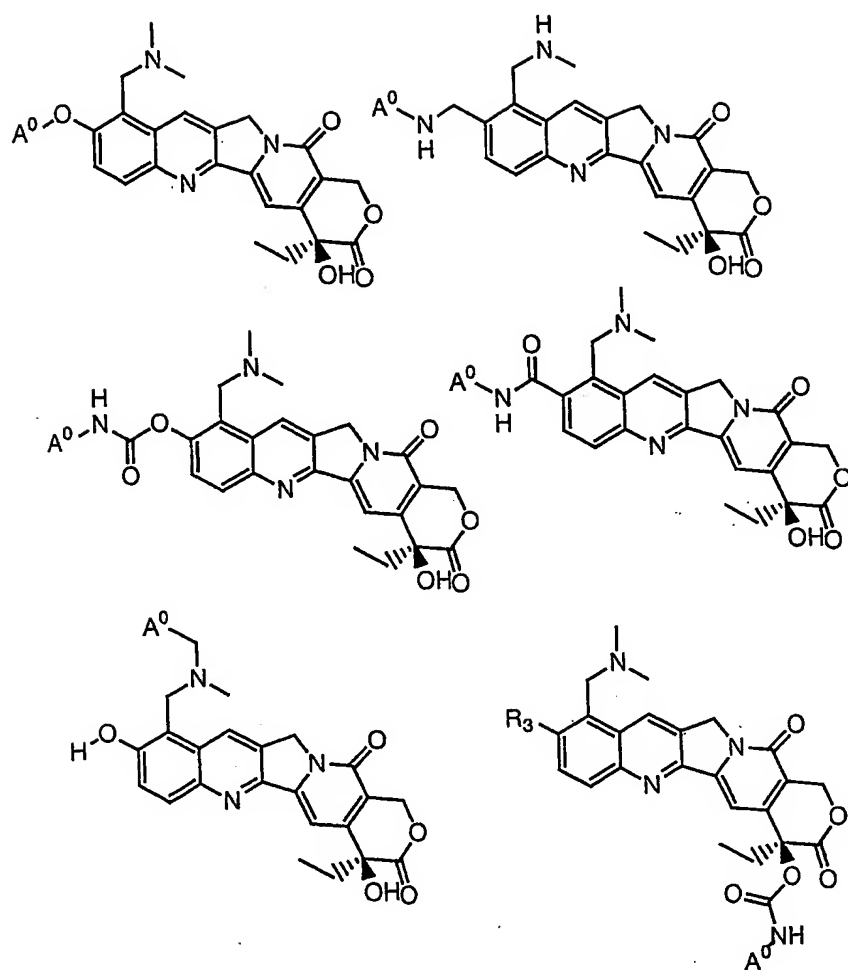
X^{62} , X^{63} , and X^{64} are each independently H, alkyl, aryl, or arylalkyl.

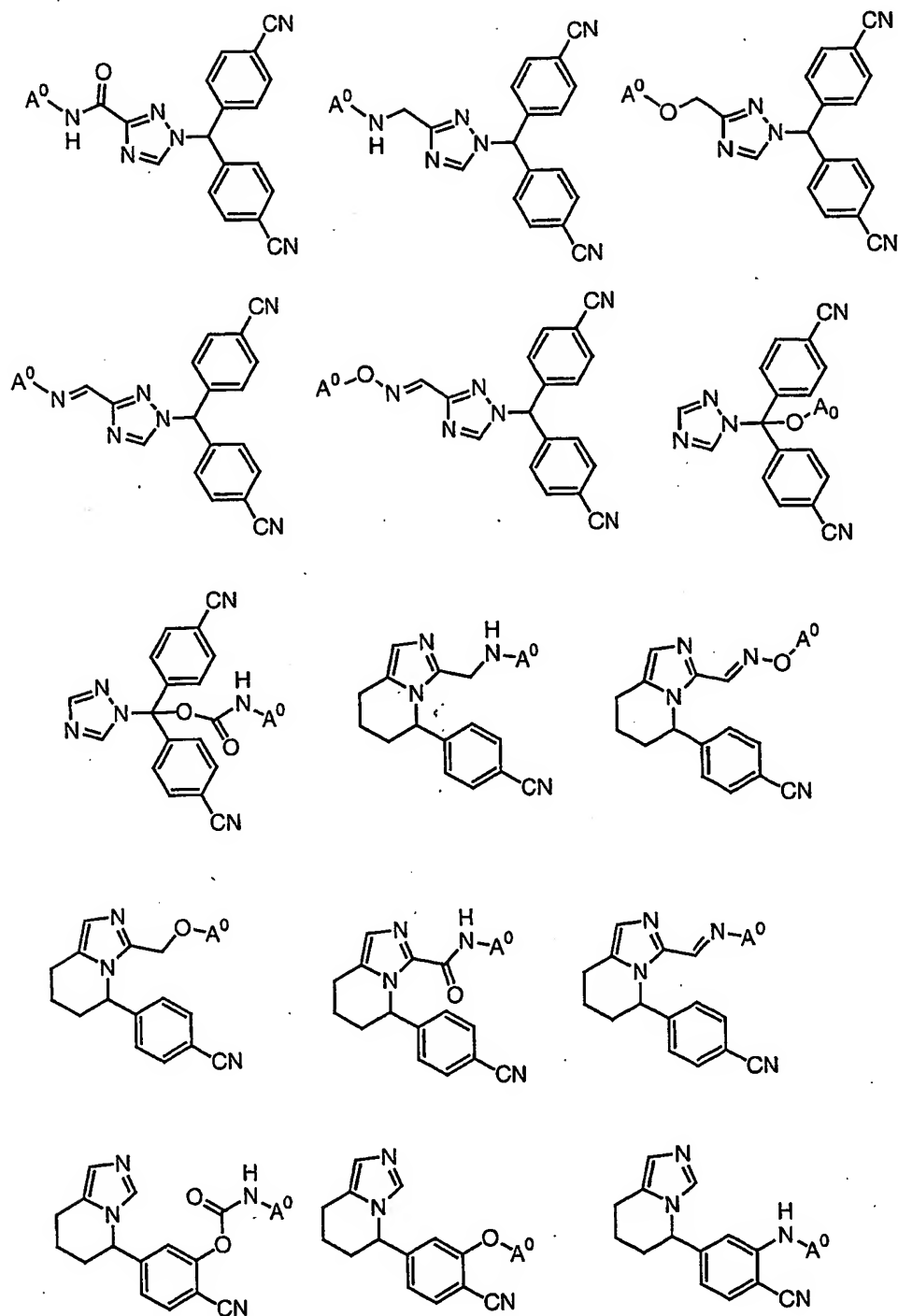
24. The conjugate of claim 1 which has one of the following formulae:

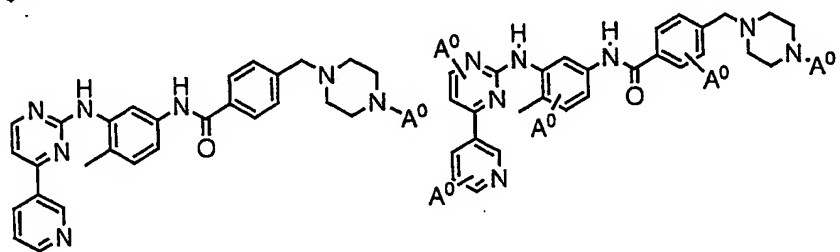
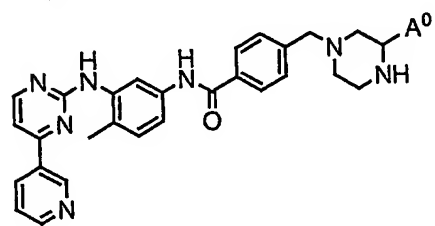
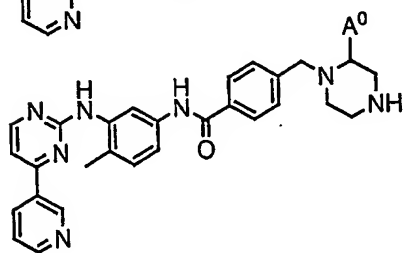
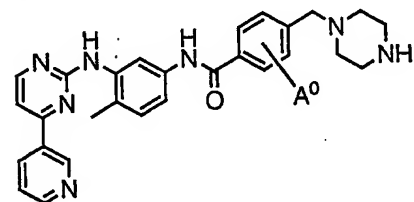
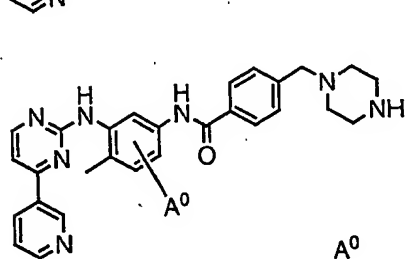
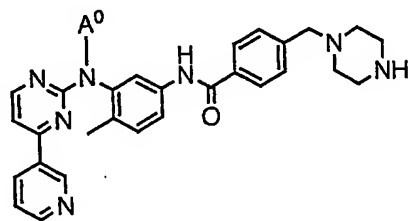
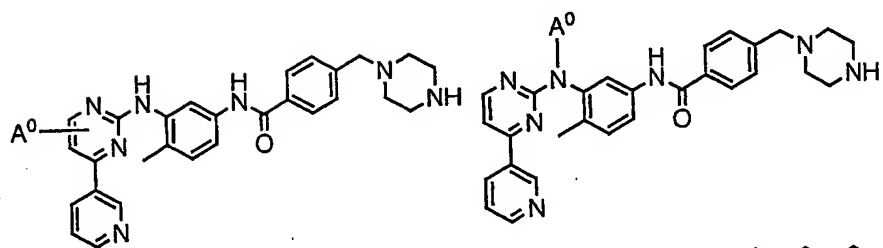
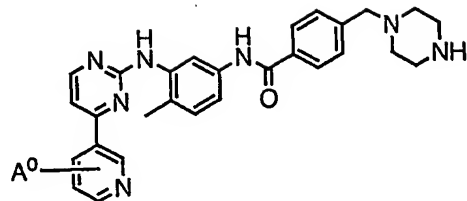
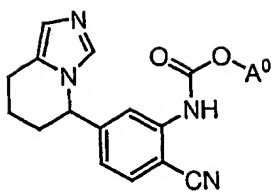
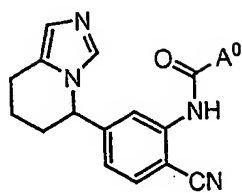


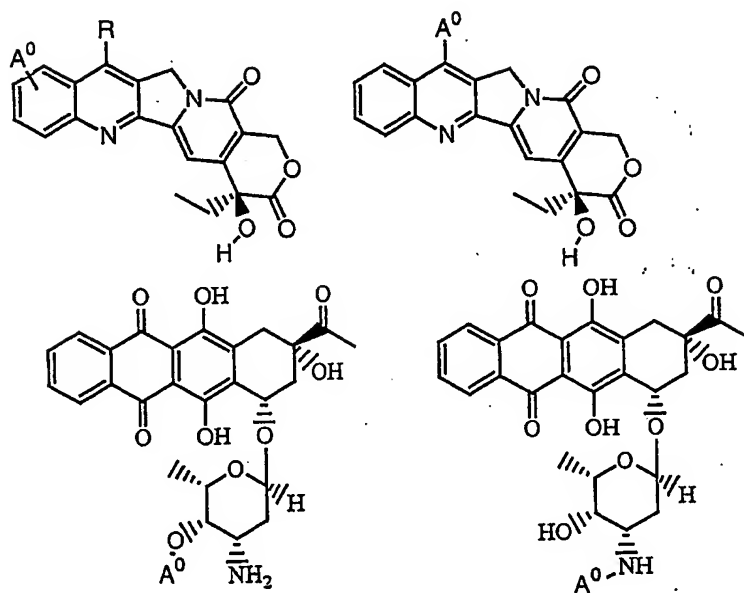
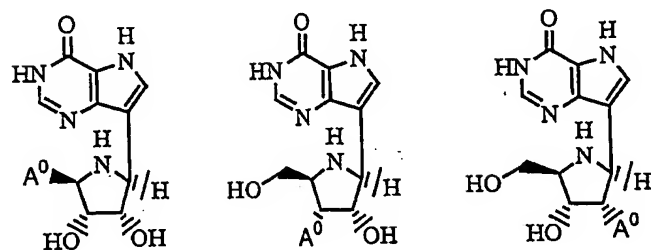
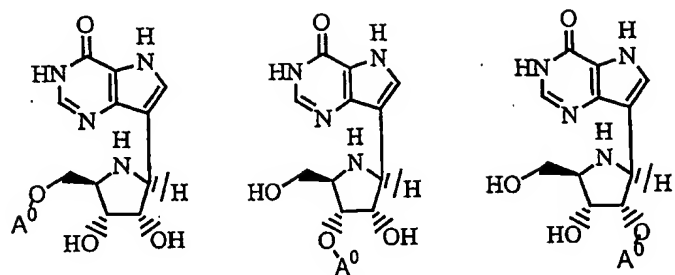


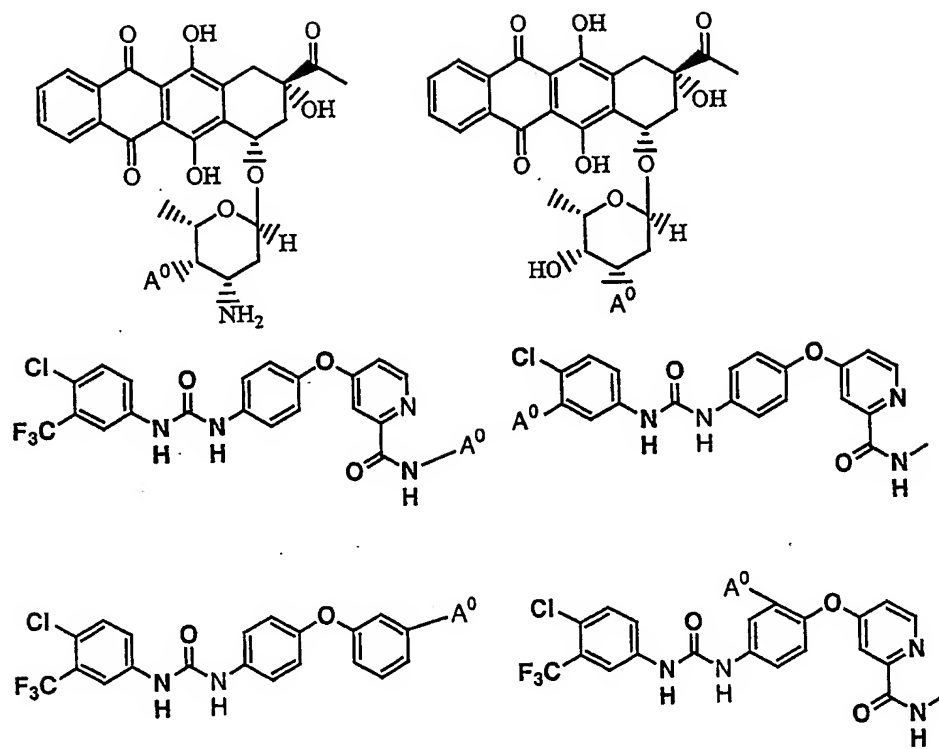


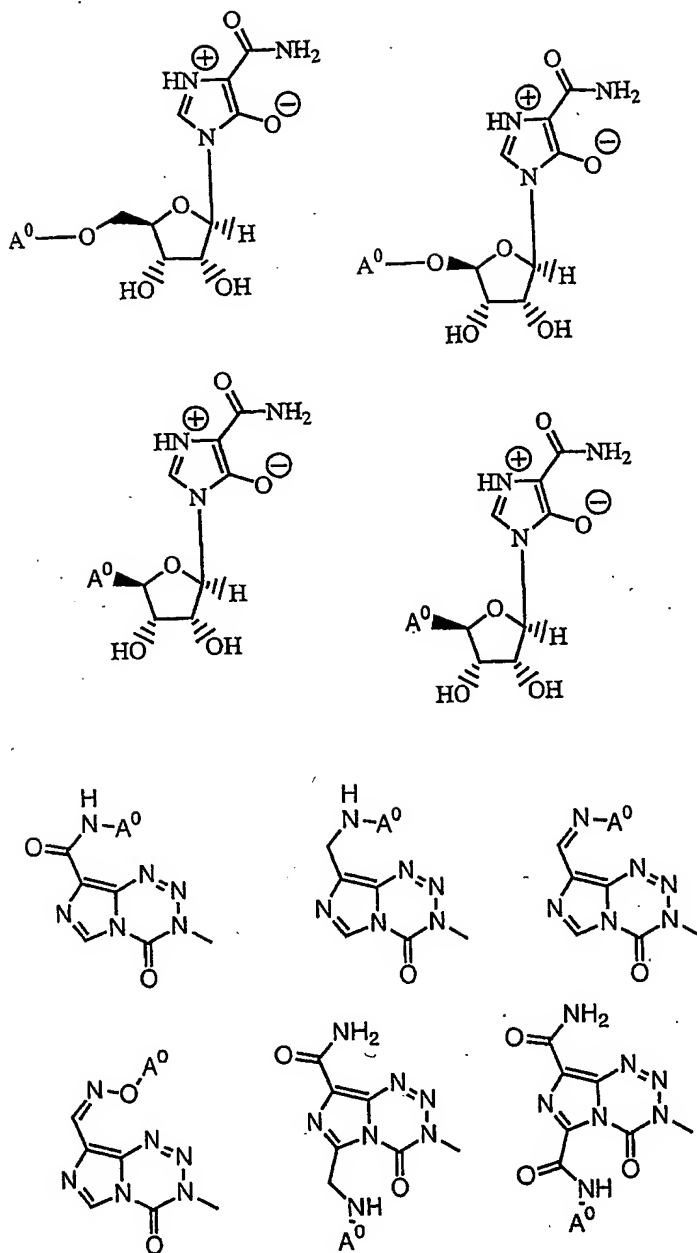


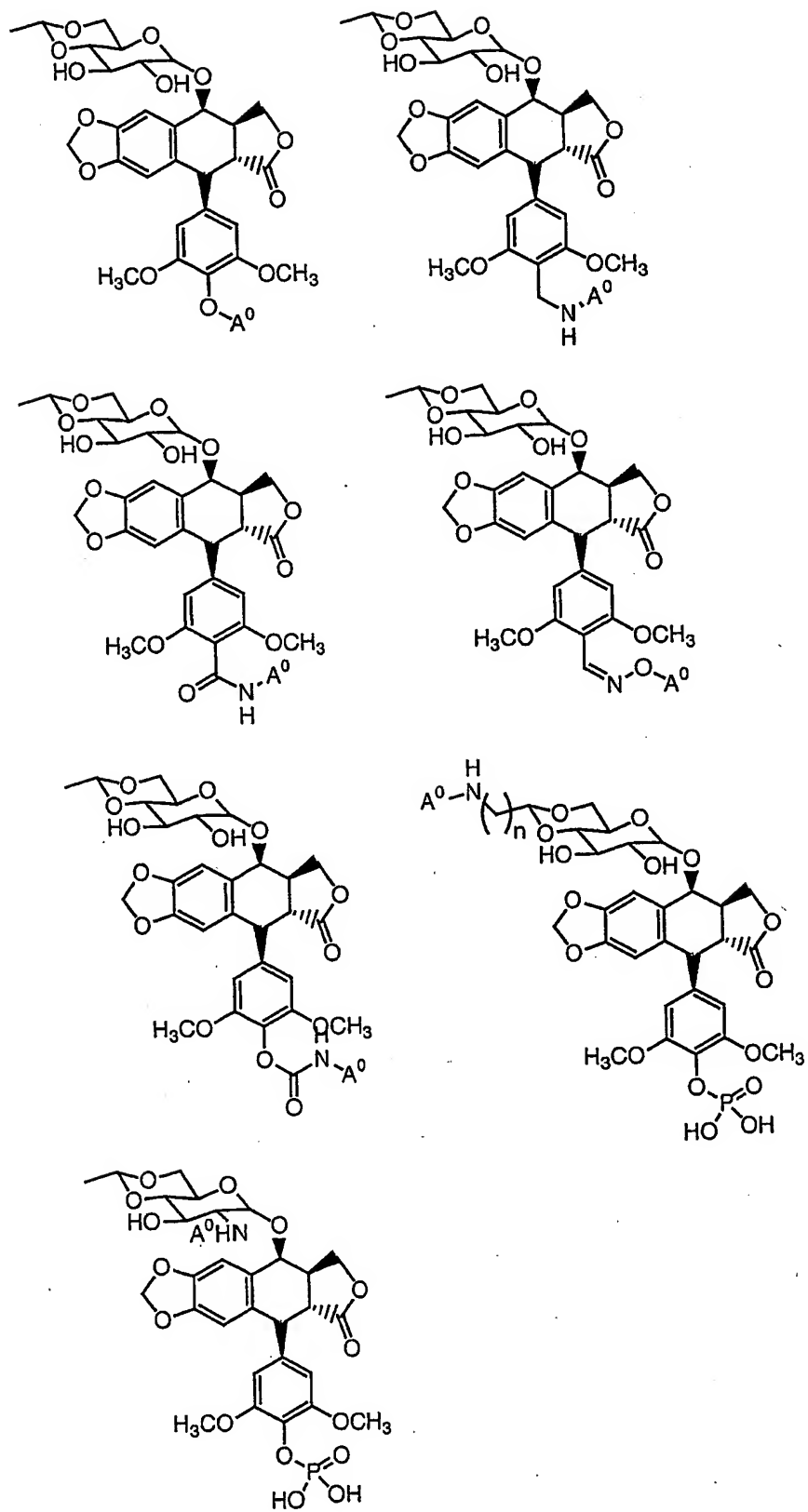


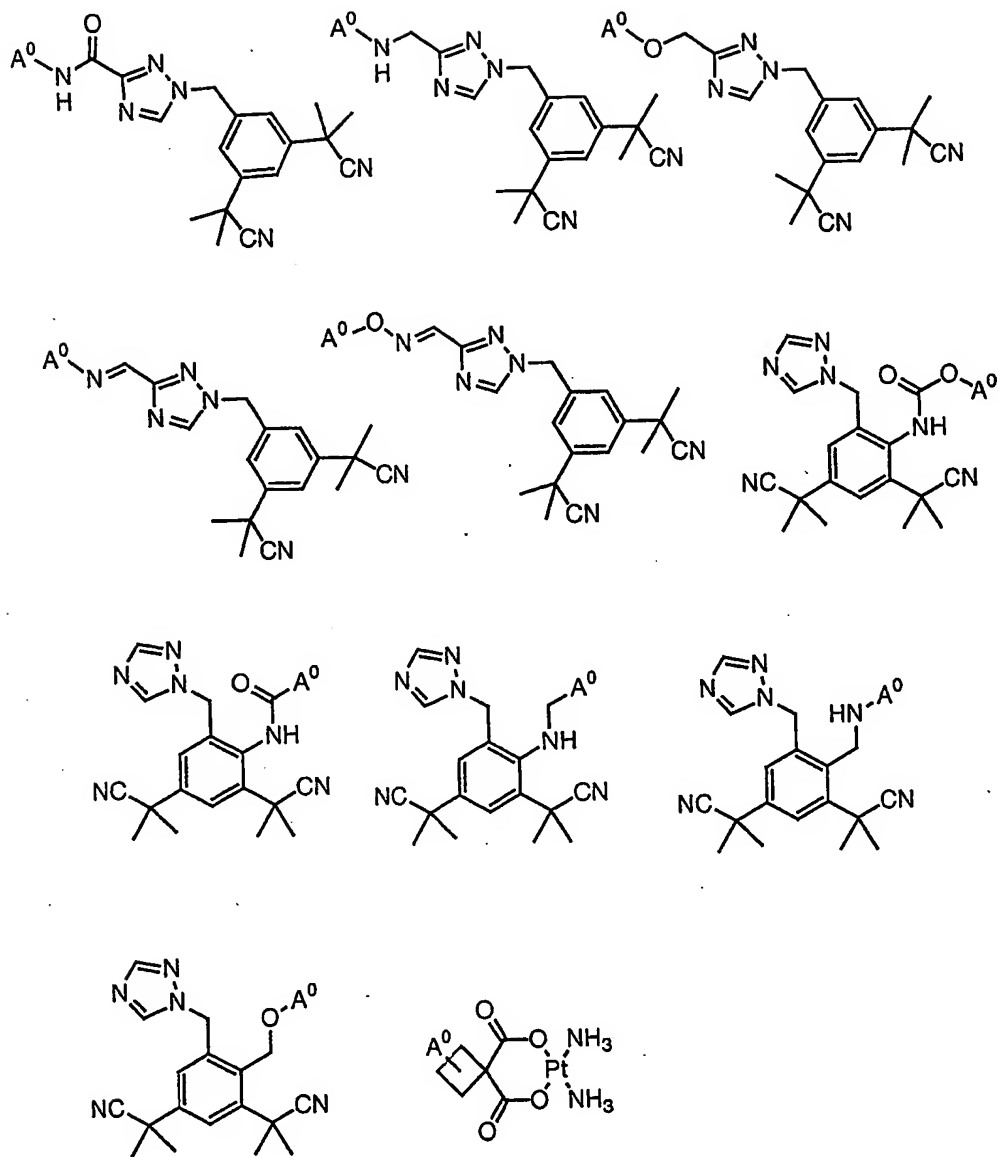


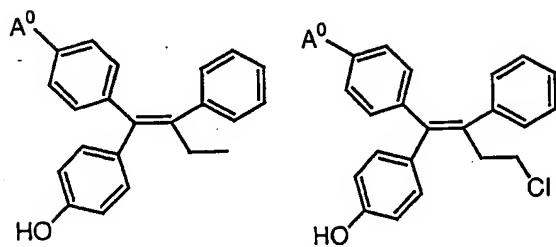
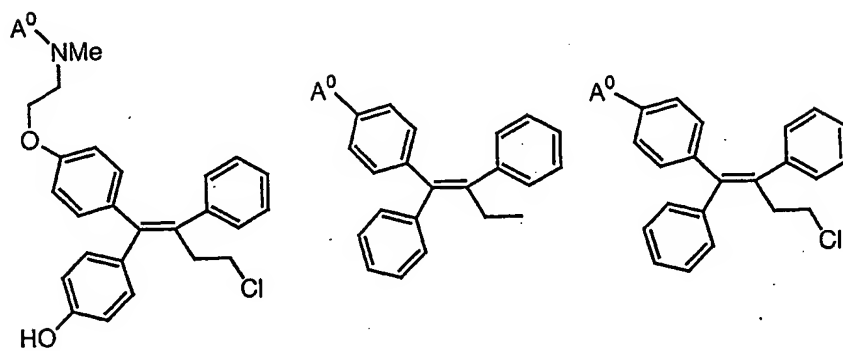
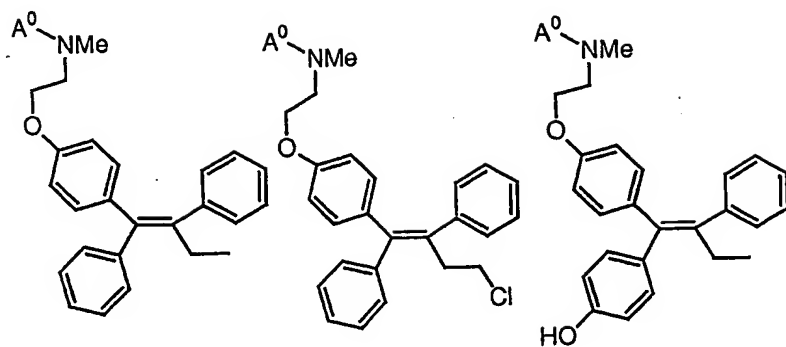


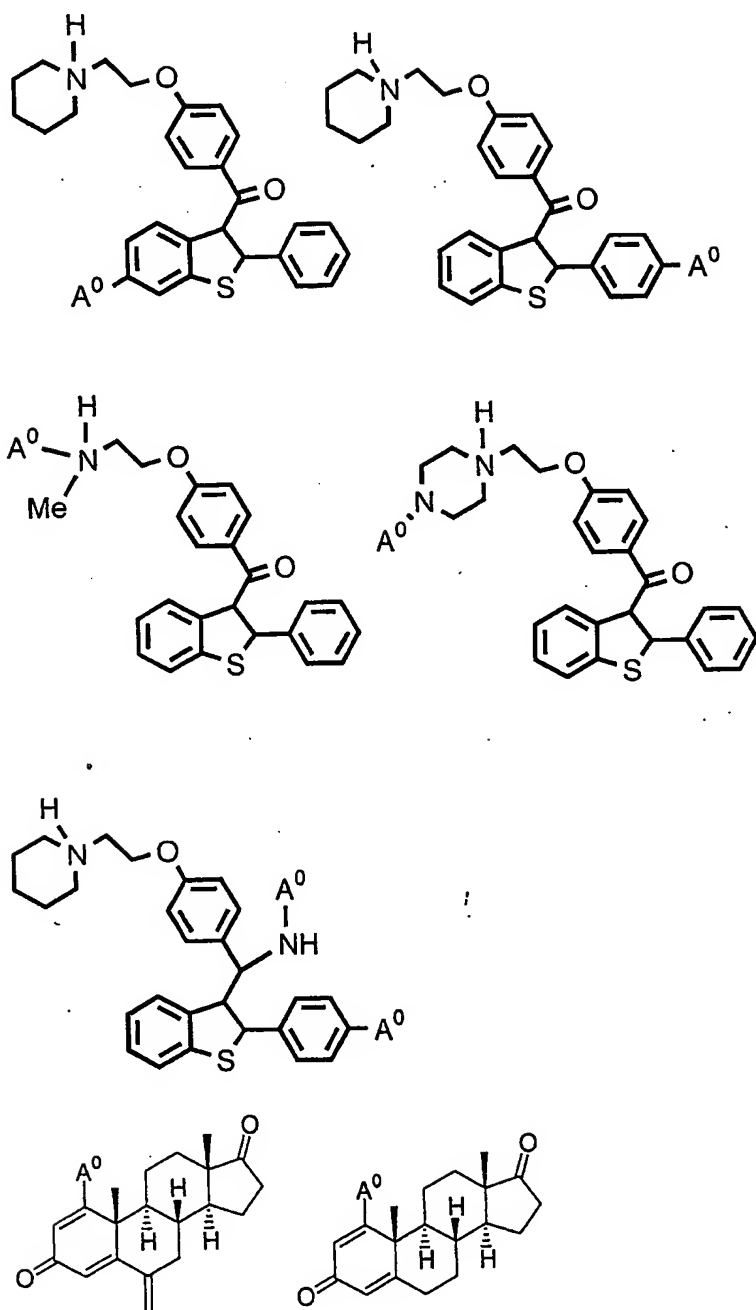


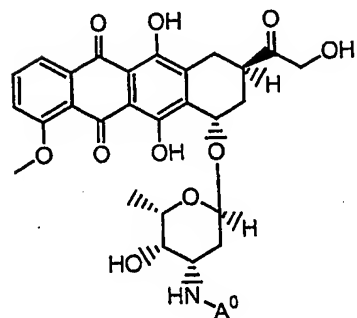
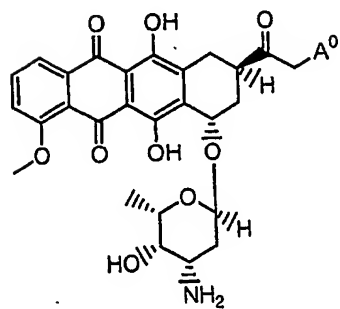
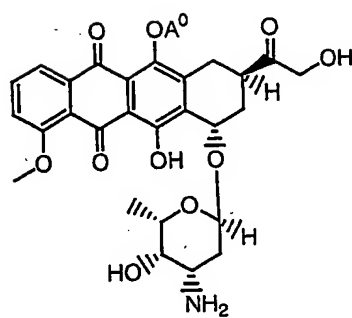
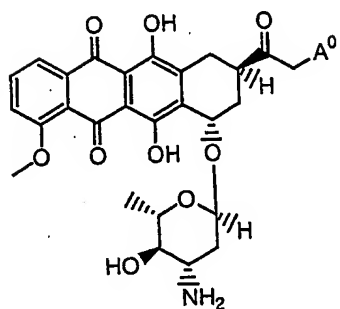
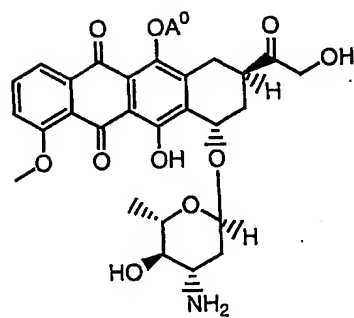
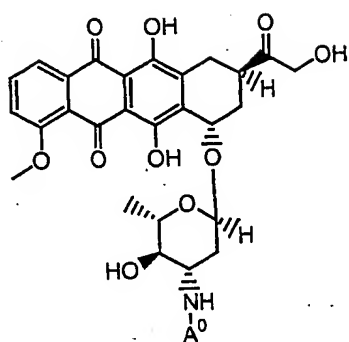


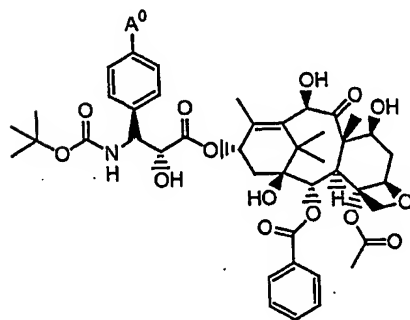
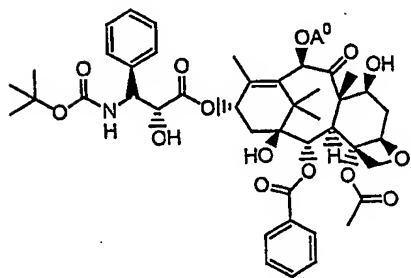
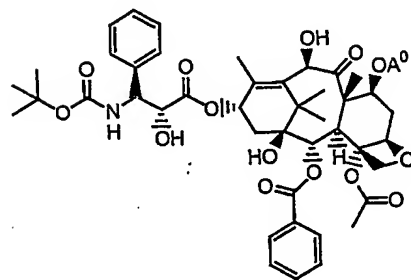
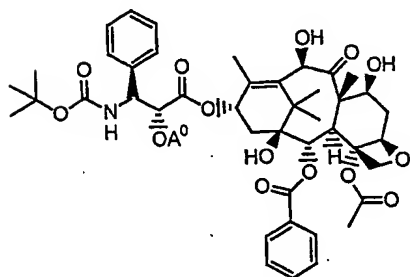
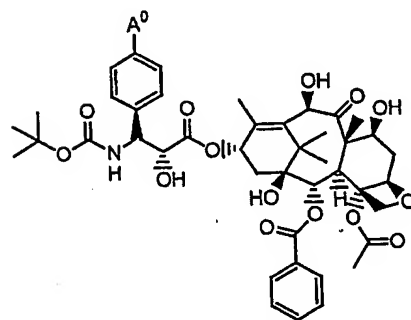
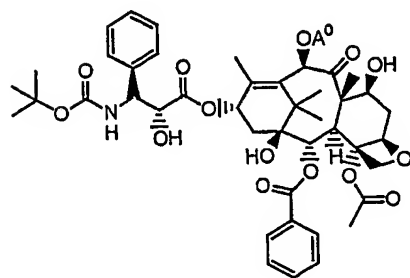
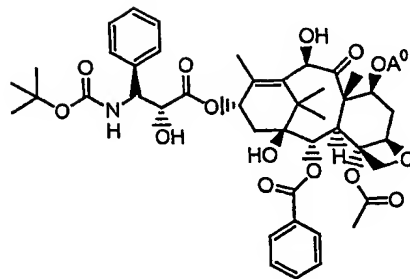
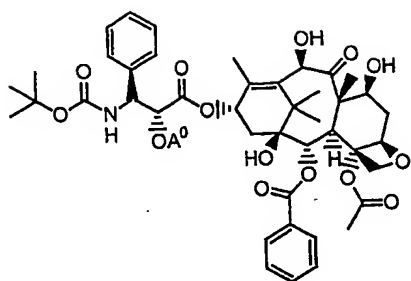


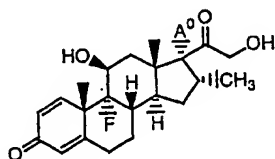
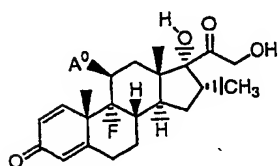
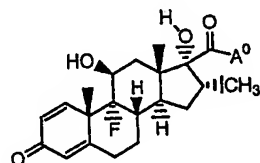
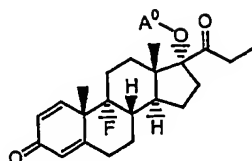
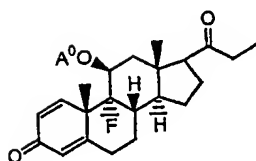
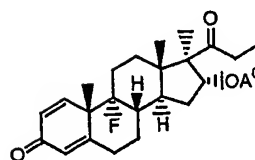
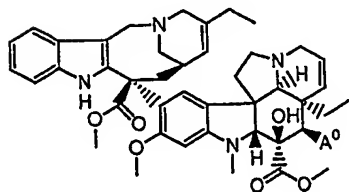
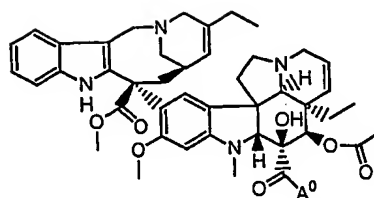
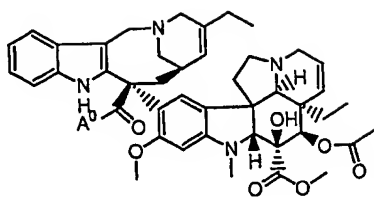


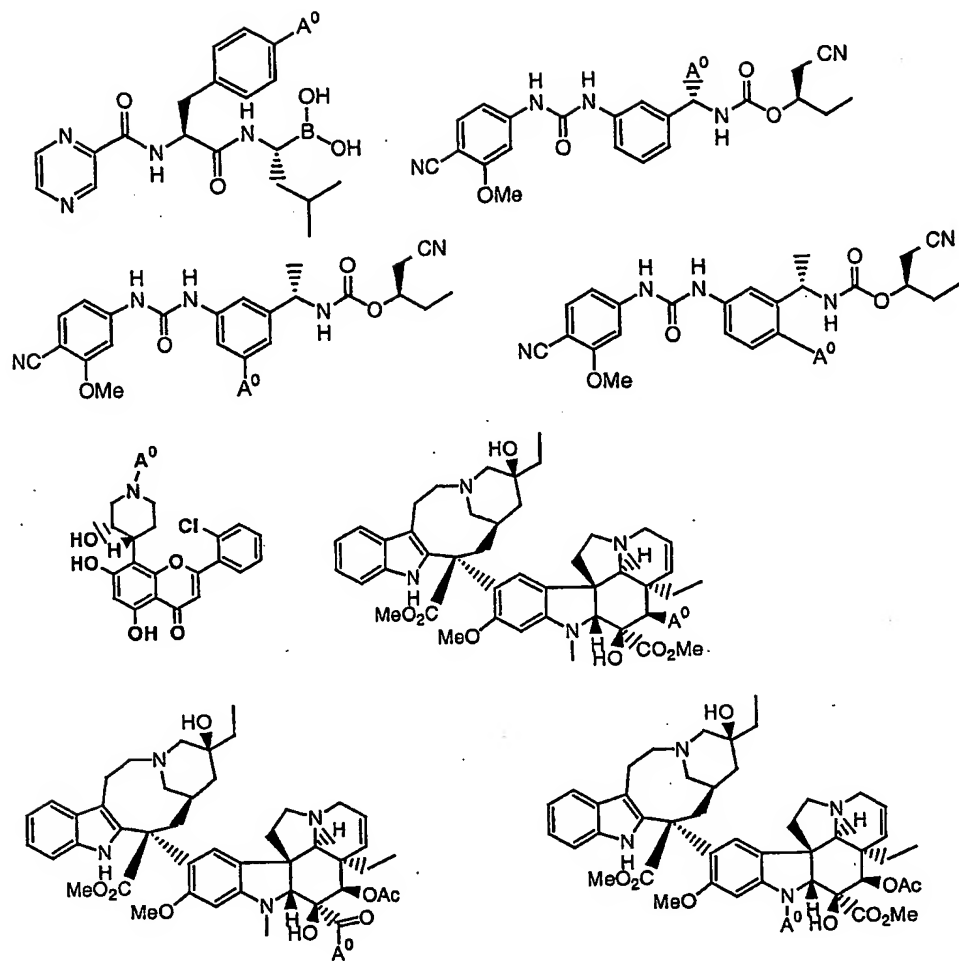


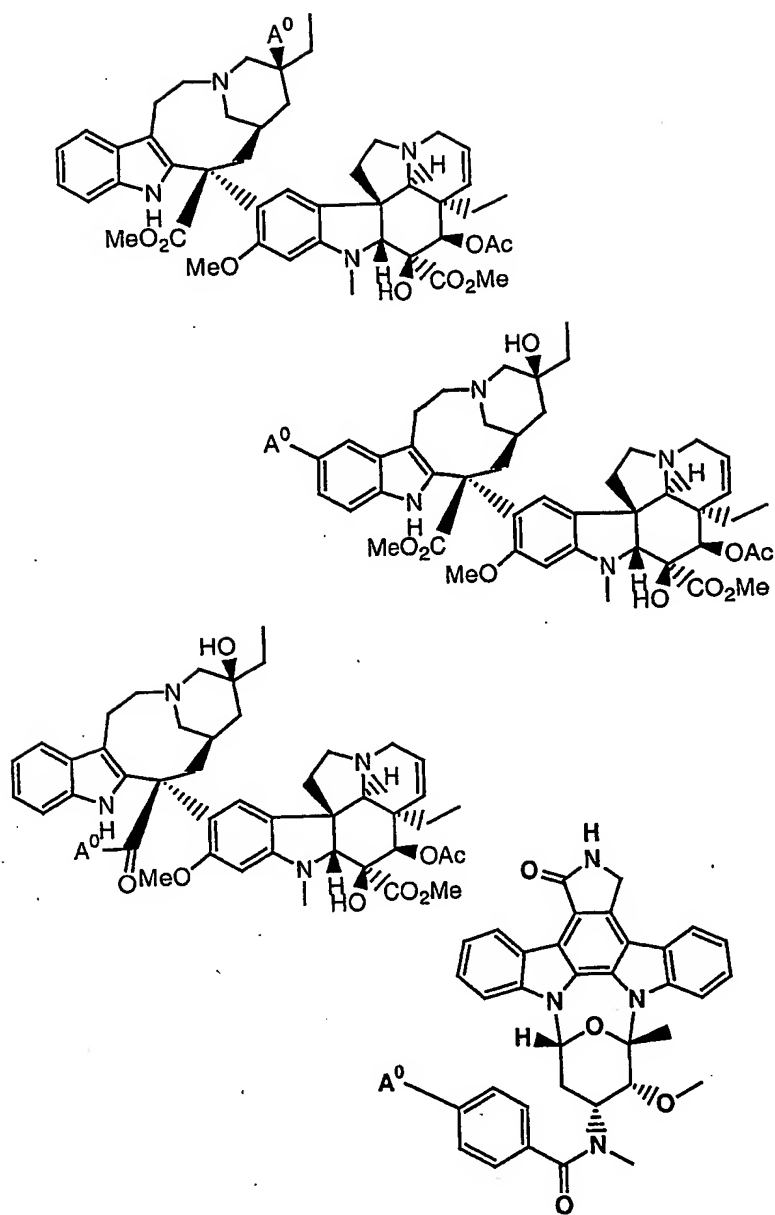


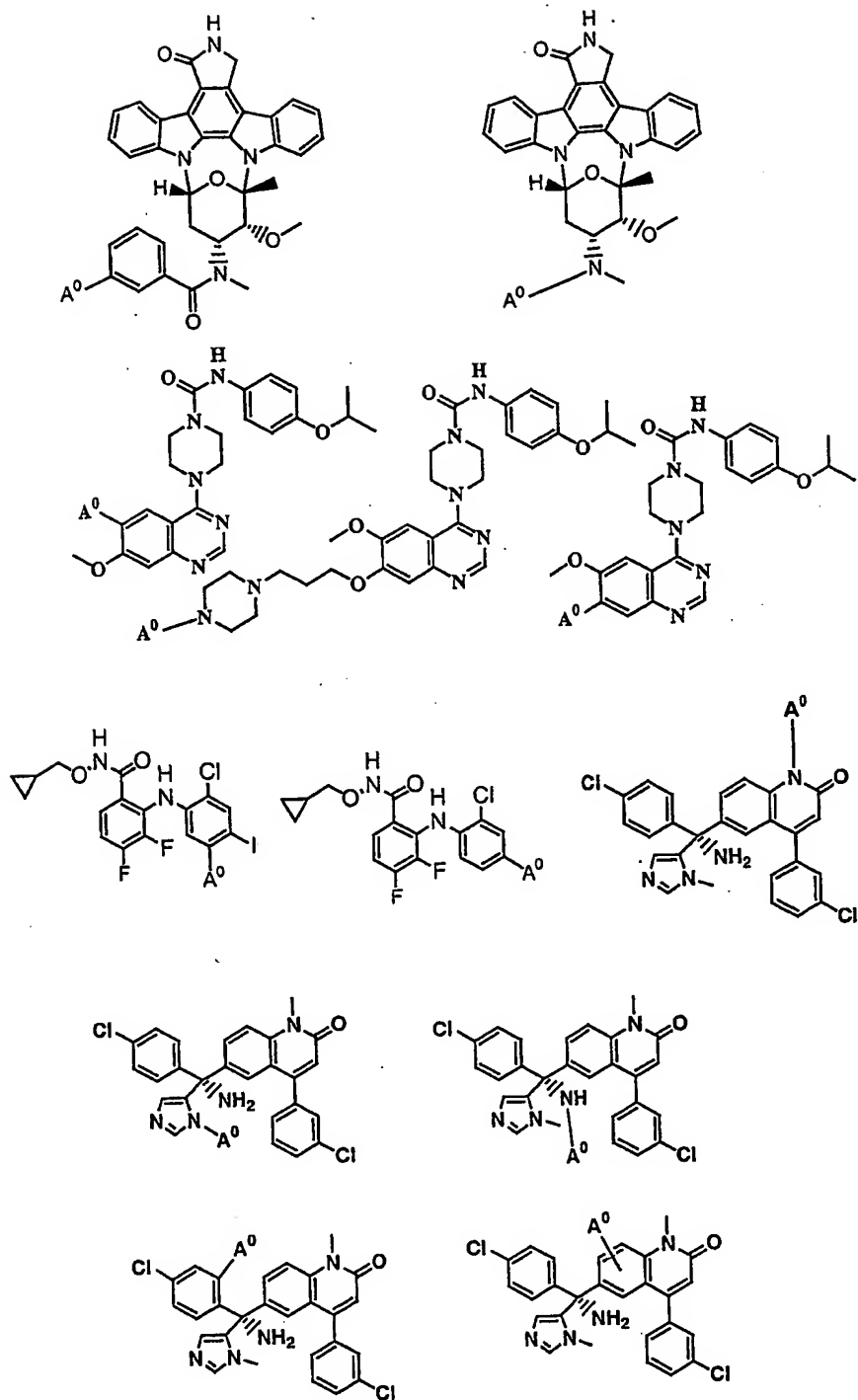


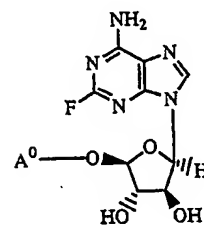
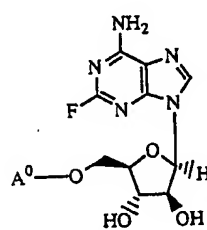
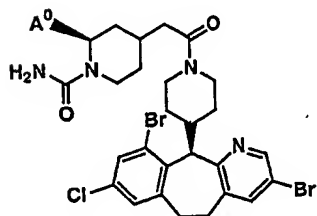
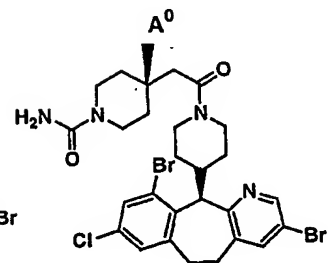
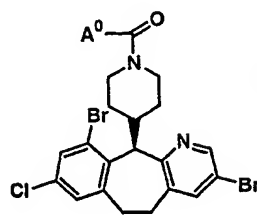
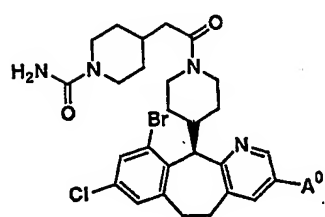
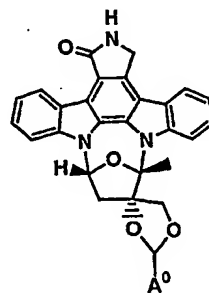
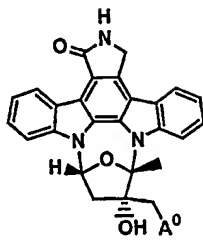
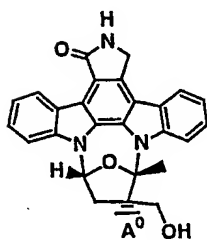
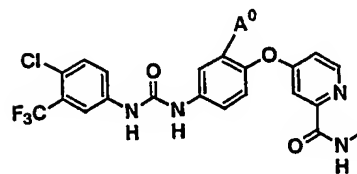
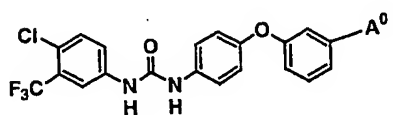
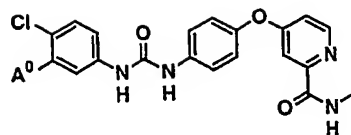
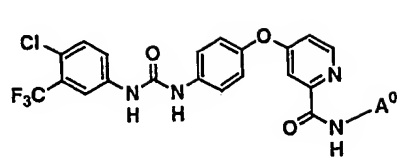


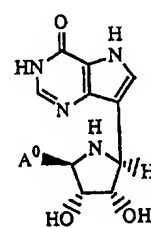
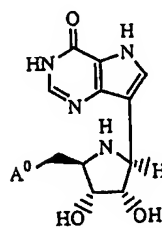
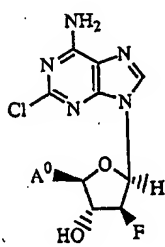
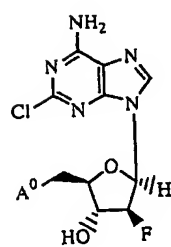
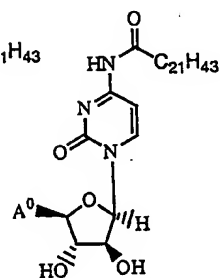
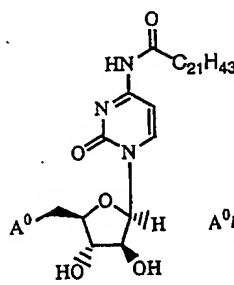
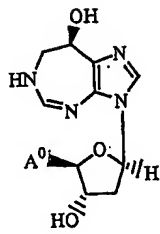
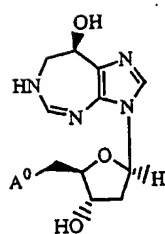
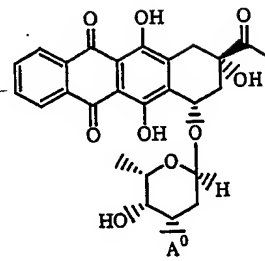
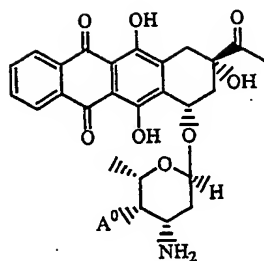
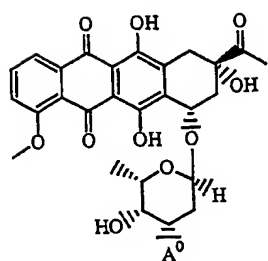
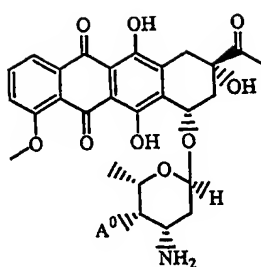
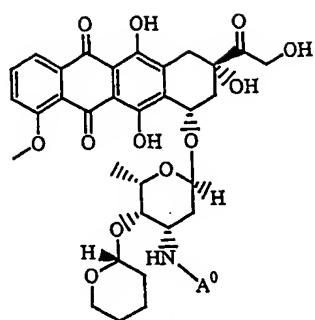


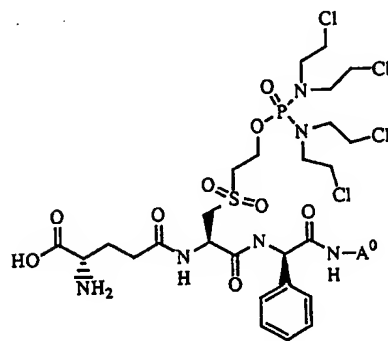
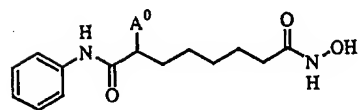
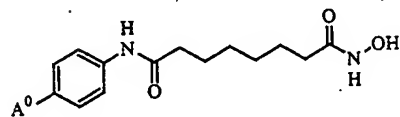
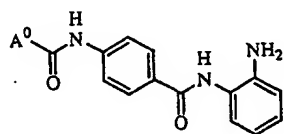
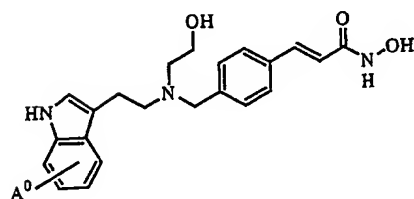
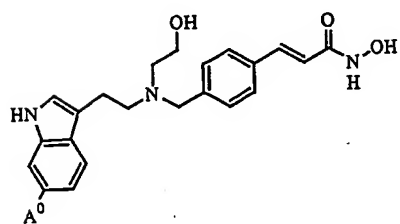
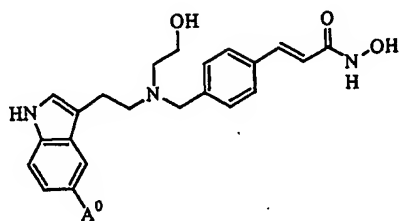
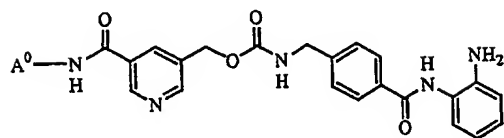
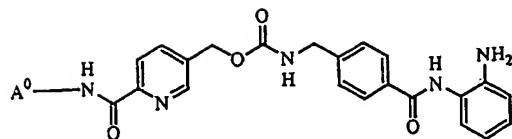
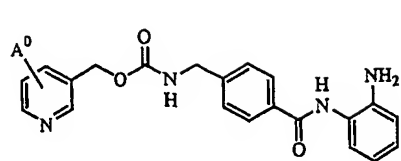


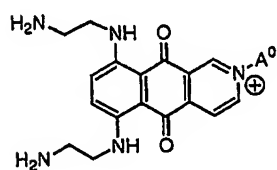
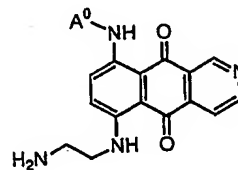
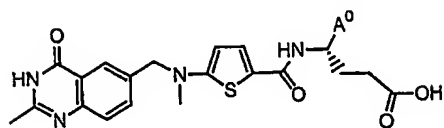
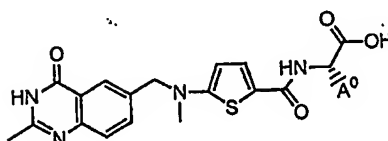
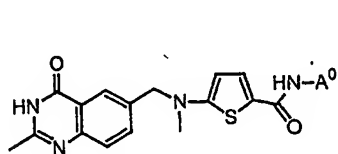
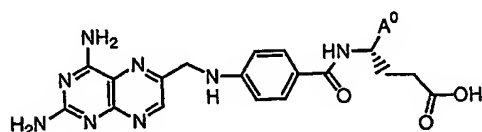
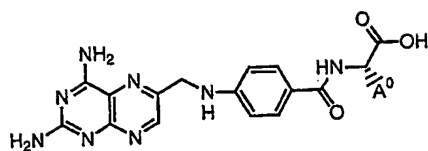
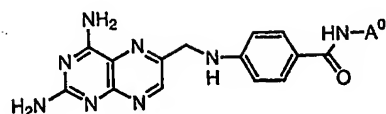
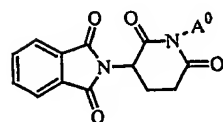
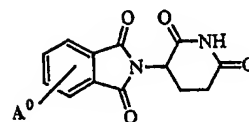
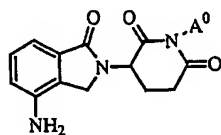
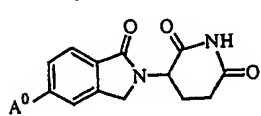
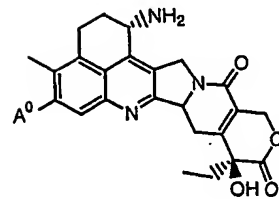
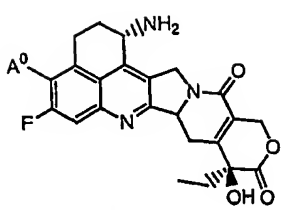
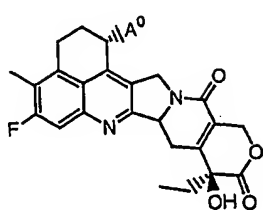


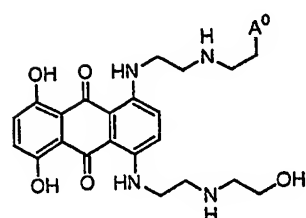
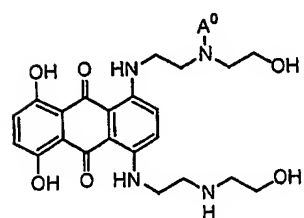
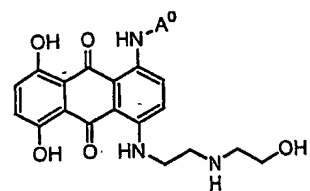
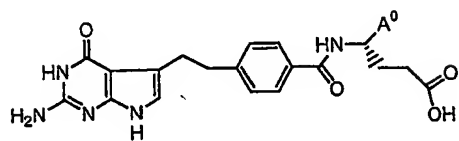
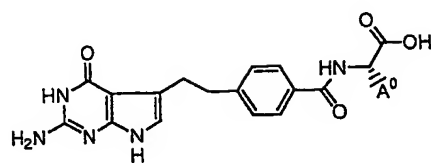
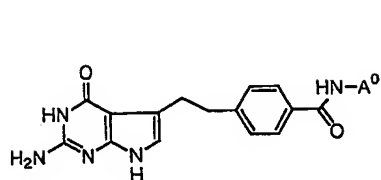
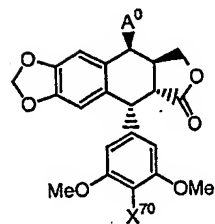
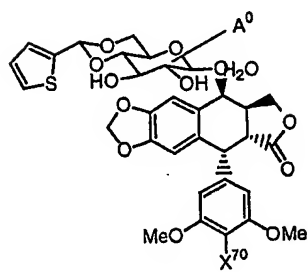
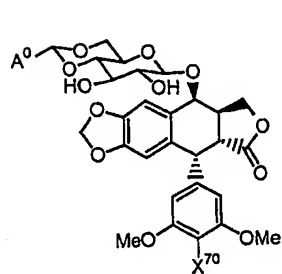
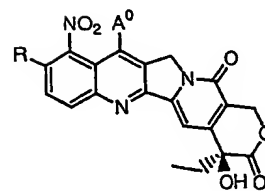
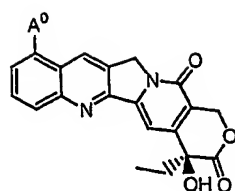
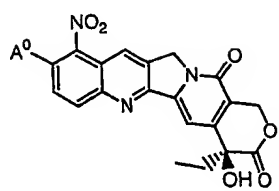


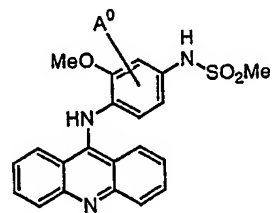
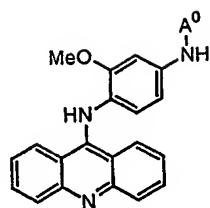
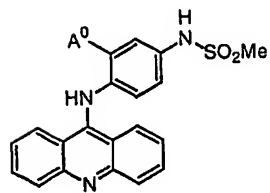
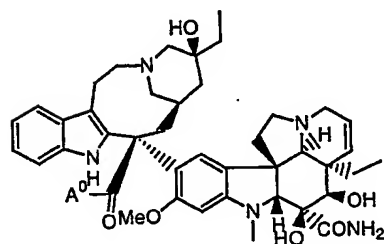
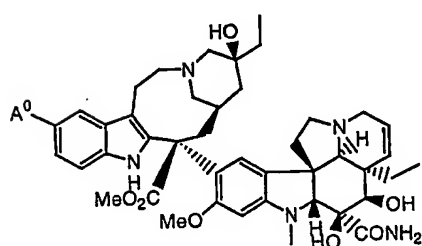
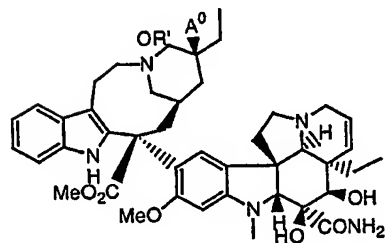
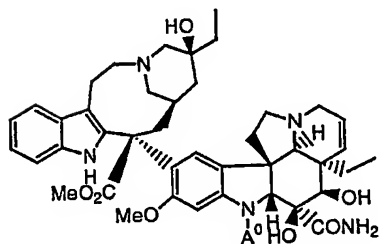
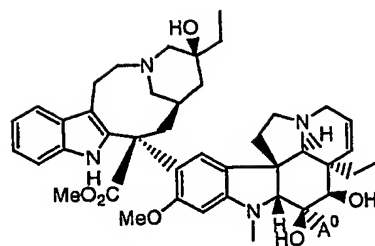
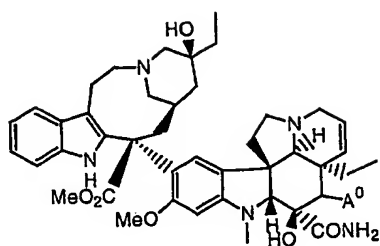


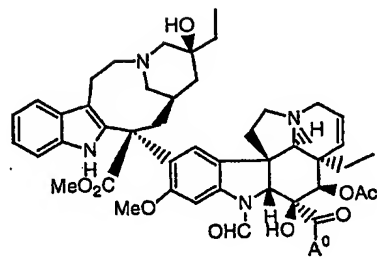
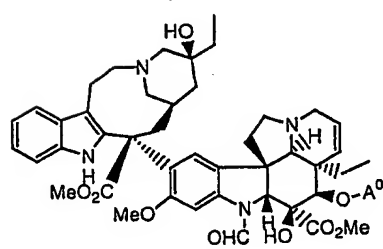
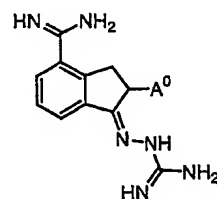
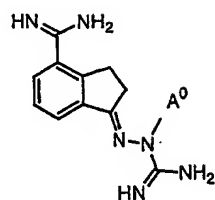
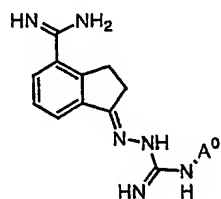
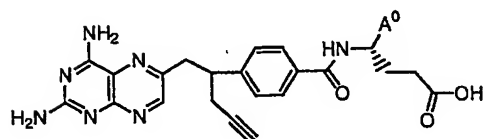
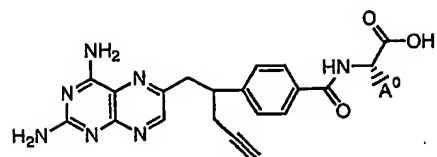
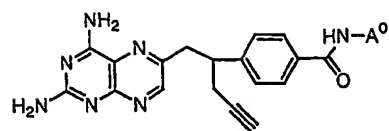
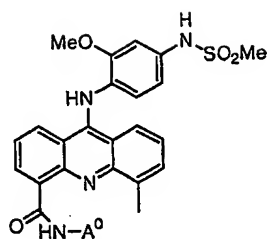


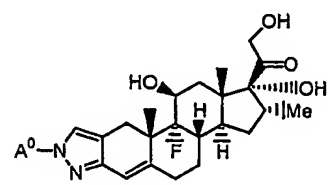
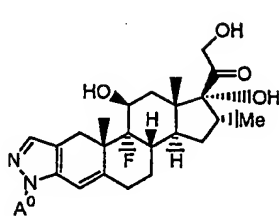
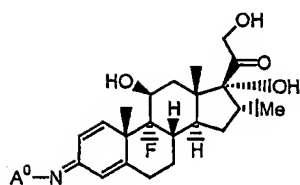
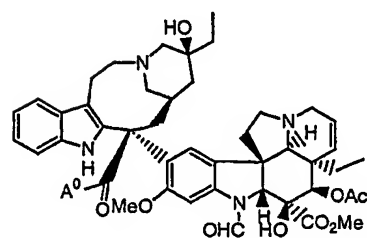
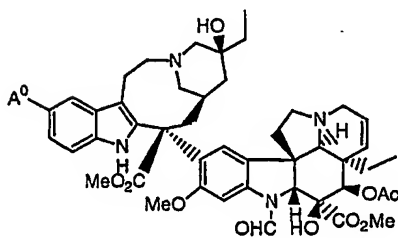
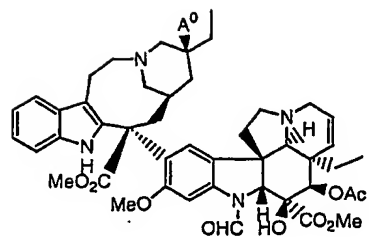
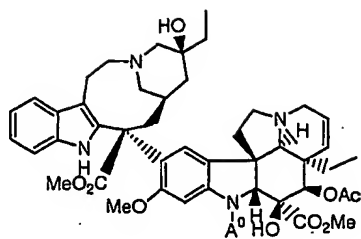


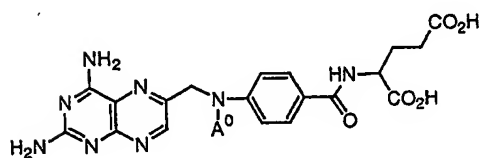
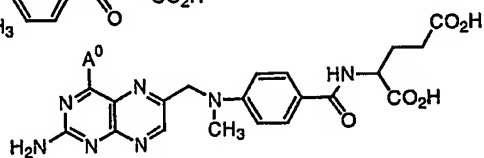
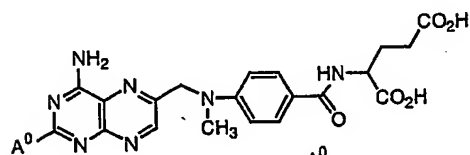
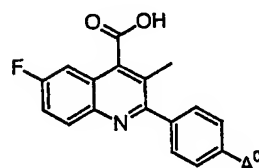
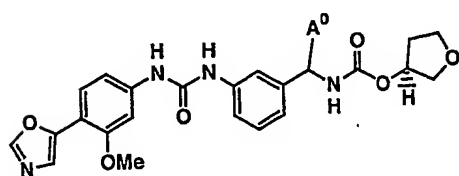
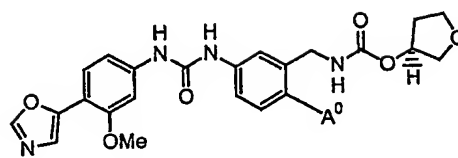
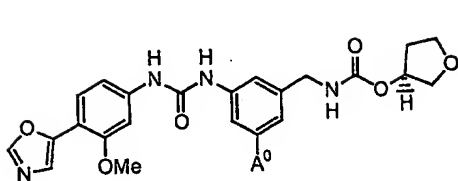
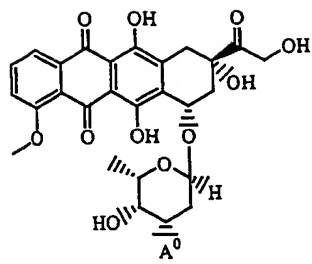
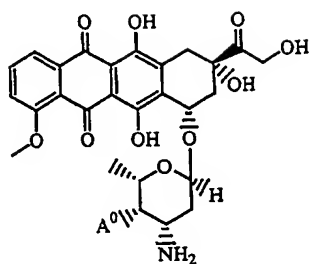


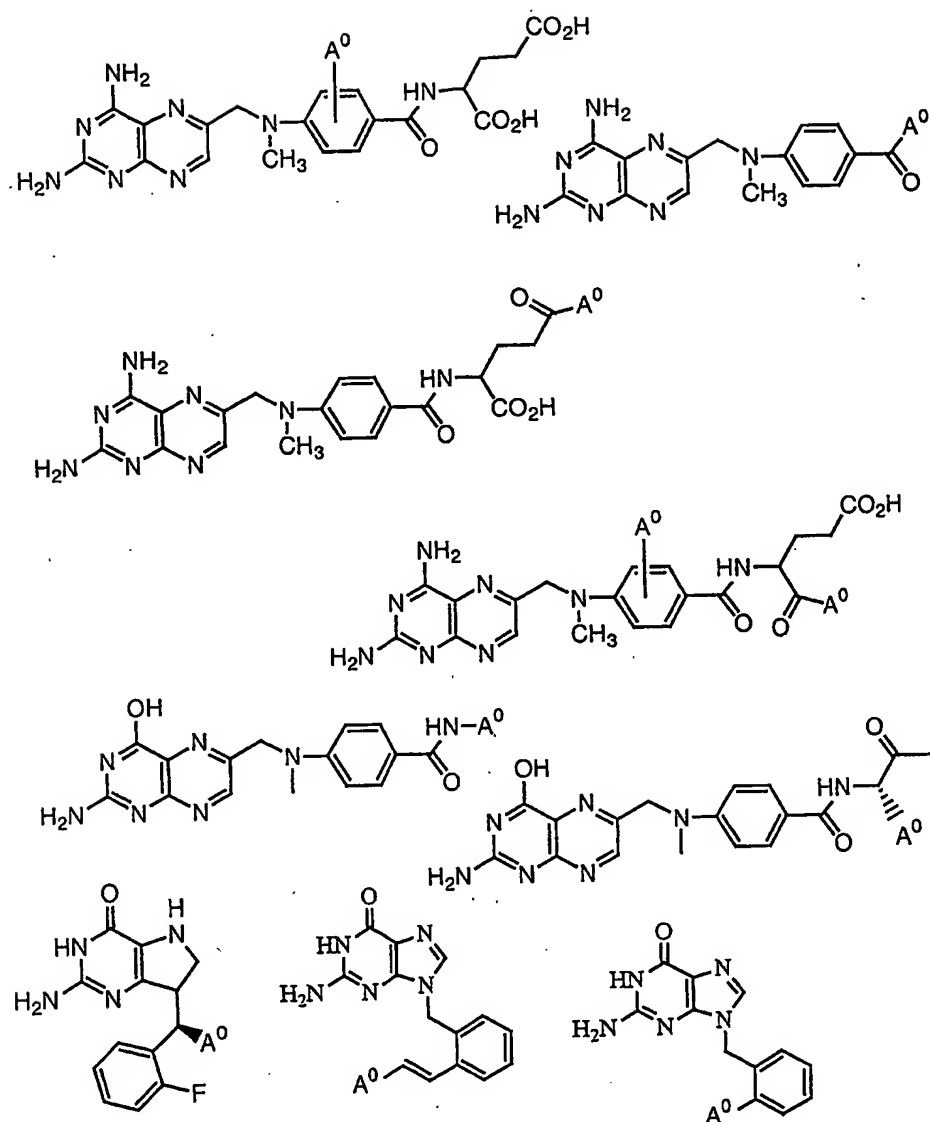


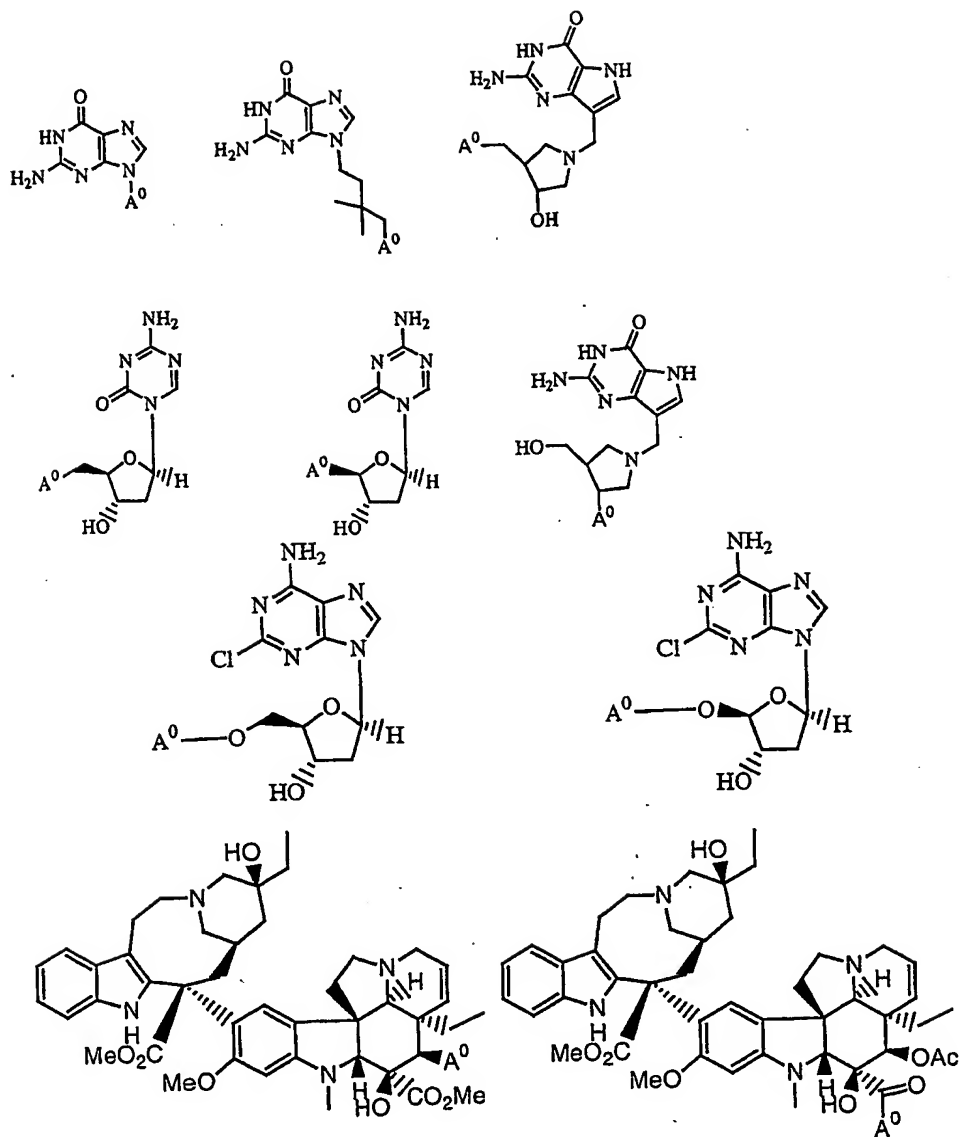


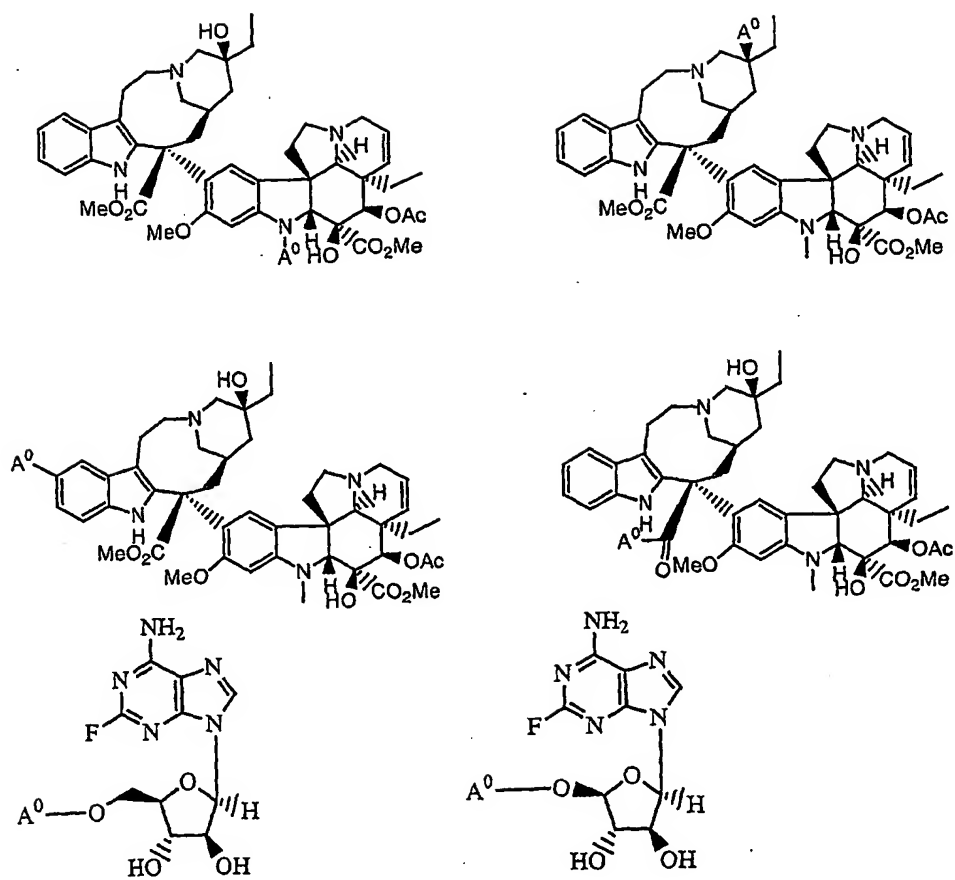








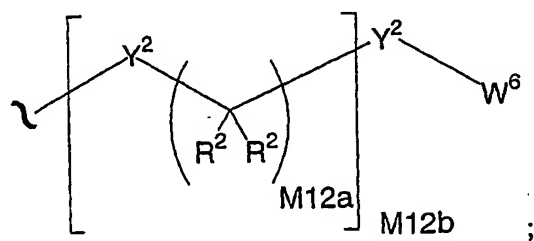




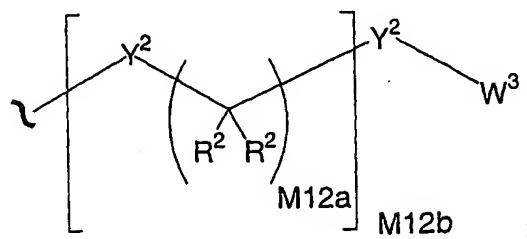
wherein:

A^0 is A^1 , A^2 or W^3 with the proviso that one A^0 is A^1 ;

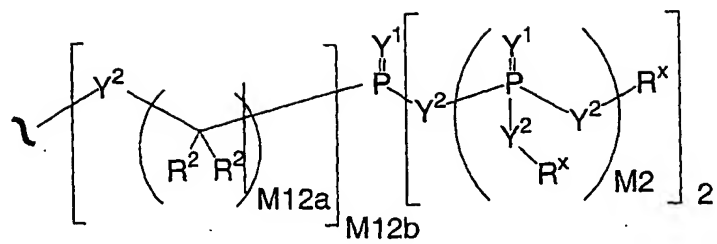
A^1 is:



A^2 is:



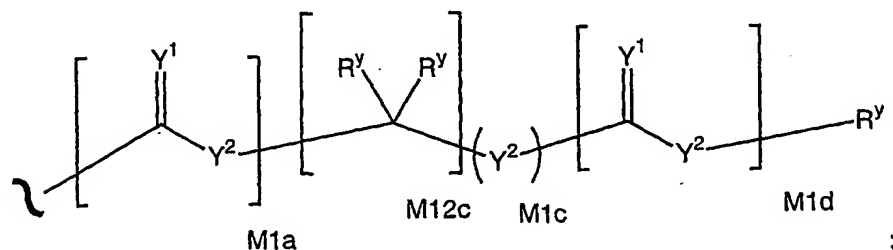
A³ is:



Y¹ is independently O, S, N(R^x), N(O)(R^x), N(OR^x), N(O)(OR^x), or N(N(R^x)(R^x));

Y² is independently a bond, O, N(R^x), N(O)(R^x), N(OR^x), N(O)(OR^x), N(N(R^x)(R^x)), -S(O)_{M2}-, or -S(O)_{M2}-S(O)_{M2}-; and when Y² joins two phosphorous atoms Y² can also be C(R²)(R²);

R^x is independently H, R¹, R², W³, a protecting group, or the formula:



wherein:

R^y is independently H, W³, R² or a protecting group;

R¹ is independently H or alkyl of 1 to 18 carbon atoms;

R² is independently H, R¹, R³ or R⁴ wherein each R⁴ is independently substituted with 0 to 3 R³ groups or taken together at a carbon atom, two R² groups form a ring of 3 to 8 carbons and the ring may be substituted with 0 to 3 R³ groups;

R³ is R^{3a}, R^{3b}, R^{3c} or R^{3d}, provided that when R³ is bound to a heteroatom, then R³ is R^{3c} or R^{3d};

R^{3a} is F, Cl, Br, I, -CN, N₃ or -NO₂;

R^{3b} is Y¹;

R^{3c} is -R^x, -N(R^x)(R^x), -SR^x, -S(O)R^x, -S(O)₂R^x, -S(O)(OR^x), -S(O)₂(OR^x), -OC(Y¹)R^x, -OC(Y¹)OR^x, -OC(Y¹)(N(R^x)(R^x)), -SC(Y¹)R^x, -

$SC(Y^1)OR^x$, $-SC(Y^1)(N(R^x)(R^x))$, $-N(R^x)C(Y^1)R^x$, $-N(R^x)C(Y^1)OR^x$, or $-N(R^x)C(Y^1)(N(R^x)(R^x))$;

R^{3d} is $-C(Y^1)R^x$, $-C(Y^1)OR^x$ or $-C(Y^1)(N(R^x)(R^x))$;

R^4 is an alkyl of 1 to 18 carbon atoms, alkenyl of 2 to 18 carbon atoms, or alkynyl of 2 to 18 carbon atoms;

R^5 is R^4 wherein each R^4 is substituted with 0 to 3 R^3 groups;

R^{5a} is independently alkylene of 1 to 18 carbon atoms, alkenylene of 2 to 18 carbon atoms, or alkynylene of 2-18 carbon atoms any one of which alkylene, alkenylene or alkynylene is substituted with 0-3 R^3 groups;

W^3 is W^4 or W^5 ;

W^4 is R^5 , $-C(Y^1)R^5$, $-C(Y^1)W^5$, $-SO_2R^5$, or $-SO_2W^5$;

W^5 is carbocycle or heterocycle wherein W^5 is independently substituted with 0 to 3 R^2 groups;

W^6 is W^3 independently substituted with 1, 2, or 3 A^3 groups;

$M2$ is 0, 1 or 2;

$M12a$ is 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

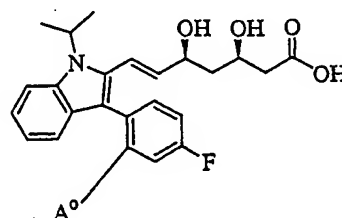
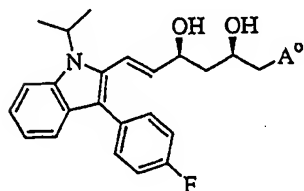
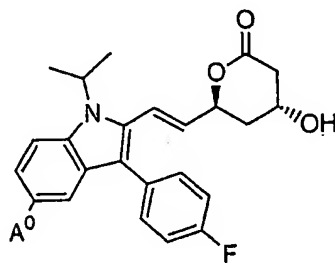
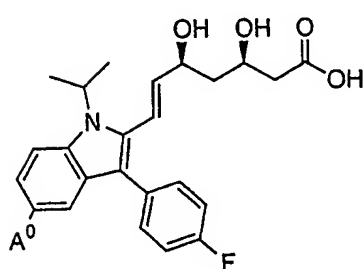
$M12b$ is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

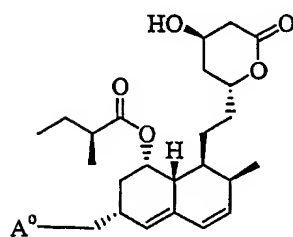
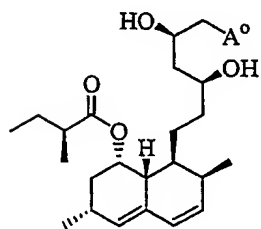
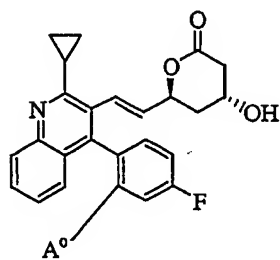
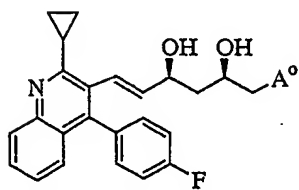
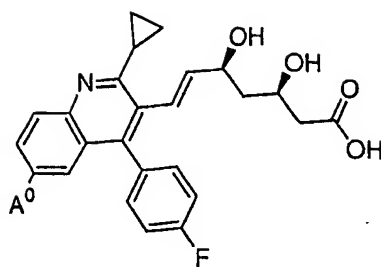
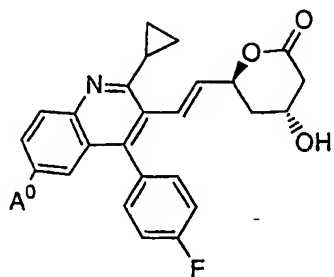
$M1a$, $M1c$, and $M1d$ are independently 0 or 1;

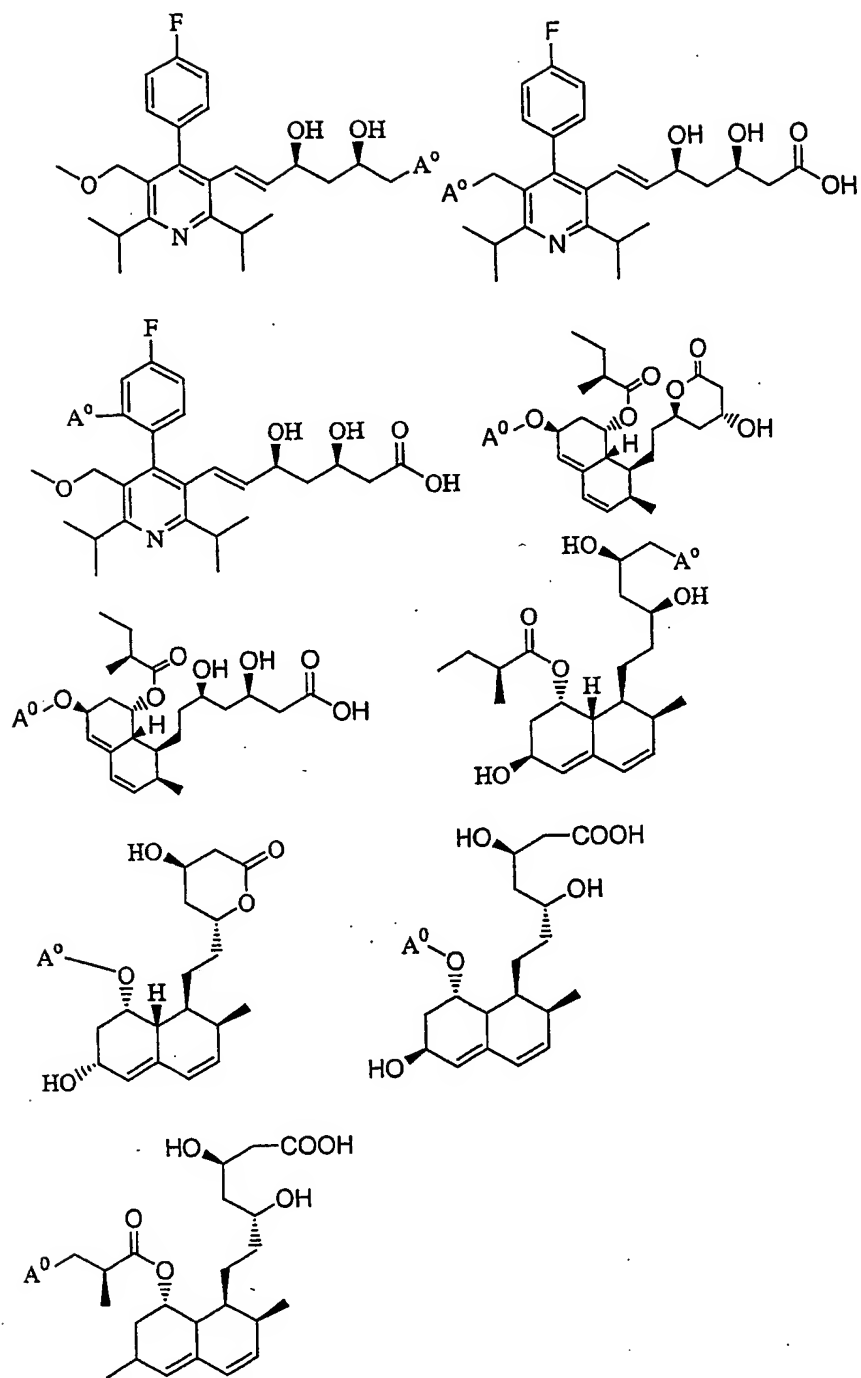
$M12c$ is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12; and

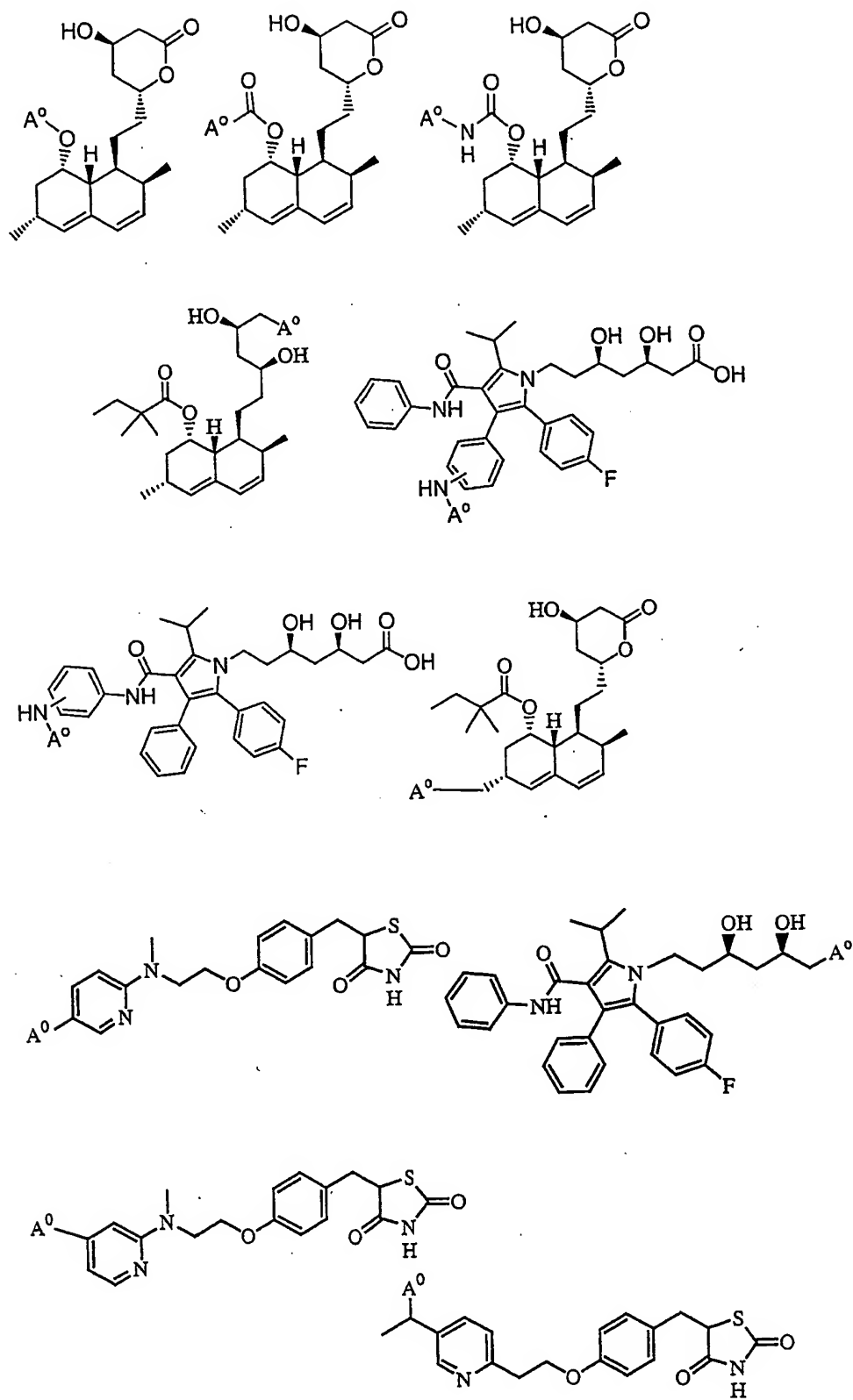
X^{70} is hydroxy, methoxy, ethoxy, or propoxy.

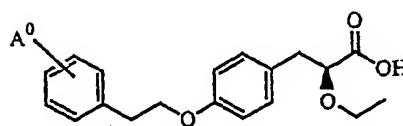
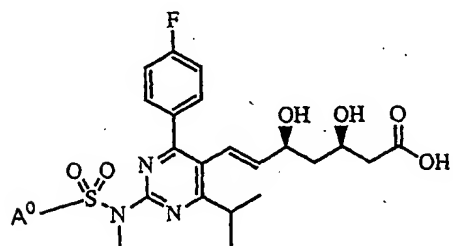
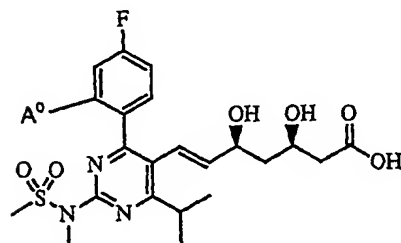
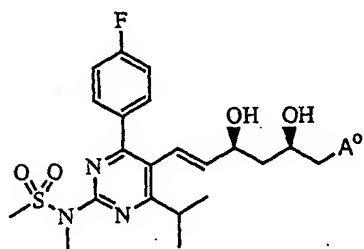
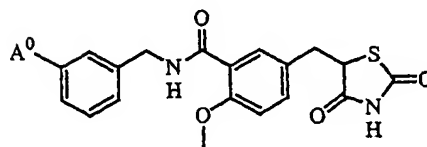
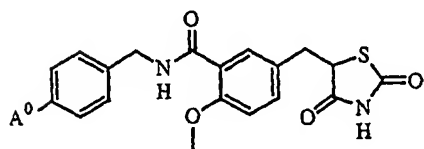
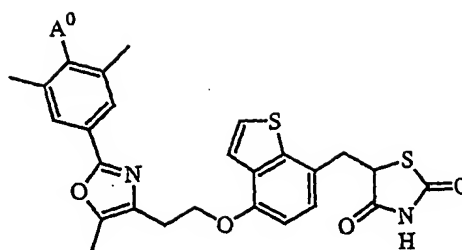
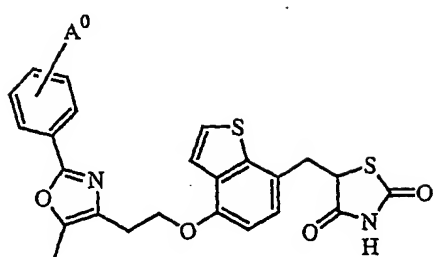
25. The conjugate of claim 1 which has one of the following formulae:







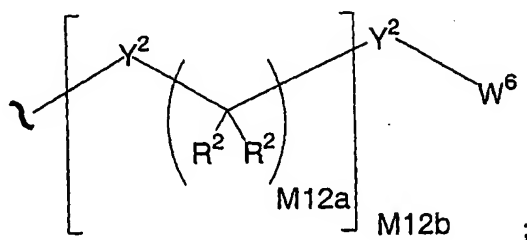




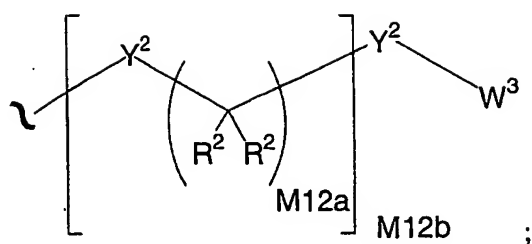
wherein:

A^0 is A^1 , A^2 or W^3 with the proviso that one A^0 is A^1 ;

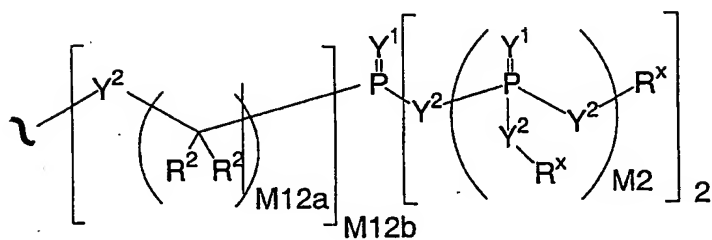
A^1 is:



A^2 is:



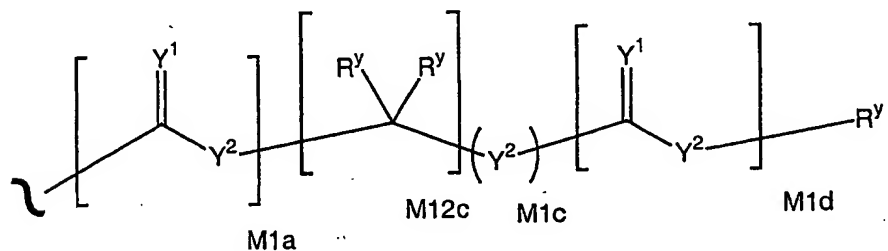
A³ is:



Y¹ is independently O, S, N(R^x), N(O)(R^x), N(OR^x), N(O)(OR^x), or N(N(R^x)(R^x));

Y² is independently a bond, O, N(R^x), N(O)(R^x), N(OR^x), N(O)(OR^x), N(N(R^x)(R^x)), -S(O)_{M2}-, or -S(O)_{M2}-S(O)_{M2}-; and when Y² joins two phosphorous atoms Y² can also be C(R²)(R²);

R^x is independently H, R¹, R², W³, a protecting group, or the formula:



wherein:

R^y is independently H, W³, R² or a protecting group;

R¹ is independently H or alkyl of 1 to 18 carbon atoms;

R² is independently H, R¹, R³ or R⁴ wherein each R⁴ is independently substituted with 0 to 3 R³ groups or taken together at a carbon atom, two R² groups form a ring of 3 to 8 carbons and the ring may be substituted with 0 to 3 R³ groups;

R³ is R^{3a}, R^{3b}, R^{3c} or R^{3d}, provided that when R³ is bound to a heteroatom, then R³ is R^{3c} or R^{3d};

R^{3a} is F, Cl, Br, I, -CN, N_3 or $-NO_2$;

R^{3b} is Y^1 ;

R^{3c} is $-R^x$, $-N(R^x)(R^x)$, $-SR^x$, $-S(O)R^x$, $-S(O)_2R^x$, $-S(O)(OR^x)$, $-S(O)_2(OR^x)$, $-OC(Y^1)R^x$, $-OC(Y^1)OR^x$, $-OC(Y^1)(N(R^x)(R^x))$, $-SC(Y^1)R^x$, $-SC(Y^1)OR^x$, $-SC(Y^1)(N(R^x)(R^x))$, $-N(R^x)C(Y^1)R^x$, $-N(R^x)C(Y^1)OR^x$, or $-N(R^x)C(Y^1)(N(R^x)(R^x))$;

R^{3d} is $-C(Y^1)R^x$, $-C(Y^1)OR^x$ or $-C(Y^1)(N(R^x)(R^x))$;

R^4 is an alkyl of 1 to 18 carbon atoms, alkenyl of 2 to 18 carbon atoms, or alkynyl of 2 to 18 carbon atoms;

R^5 is R^4 wherein each R^4 is substituted with 0 to 3 R^3 groups;

R^{5a} is independently alkylene of 1 to 18 carbon atoms, alkenylene of 2 to 18 carbon atoms, or alkynylene of 2-18 carbon atoms any one of which alkylene, alkenylene or alkynylene is substituted with 0-3 R^3 groups;

W^3 is W^4 or W^5 ;

W^4 is R^5 , $-C(Y^1)R^5$, $-C(Y^1)W^5$, $-SO_2R^5$, or $-SO_2W^5$;

W^5 is carbocycle or heterocycle wherein W^5 is independently substituted with 0 to 3 R^2 groups;

W^6 is W^3 independently substituted with 1, 2, or 3 A^3 groups;

M2 is 0, 1 or 2;

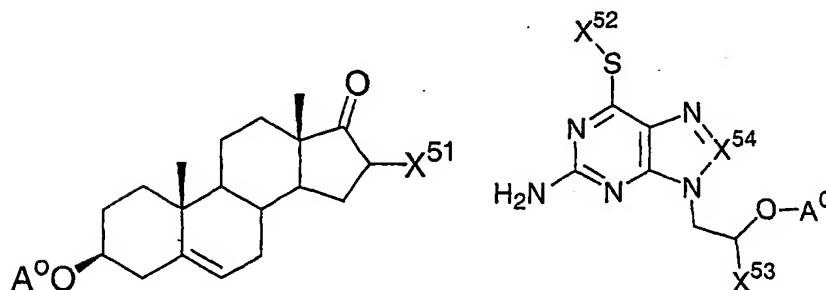
M12a is 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

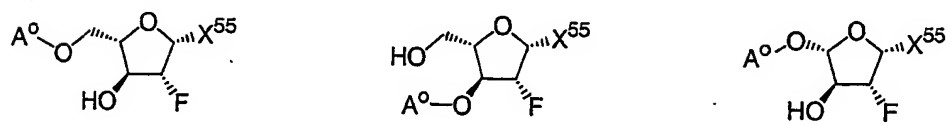
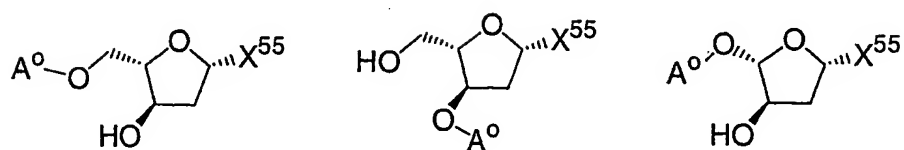
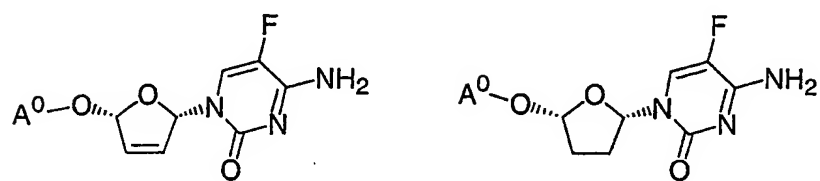
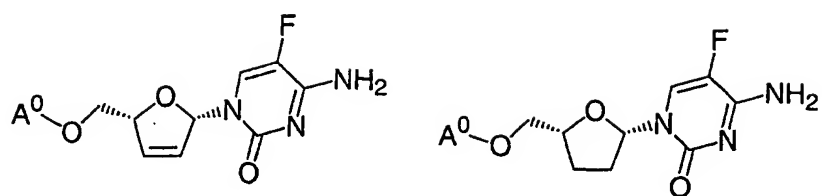
M12b is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

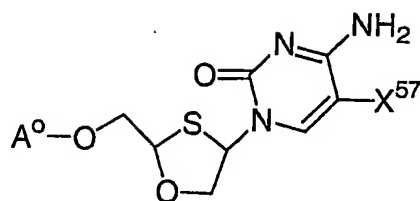
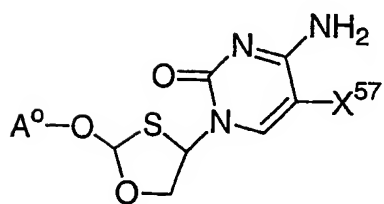
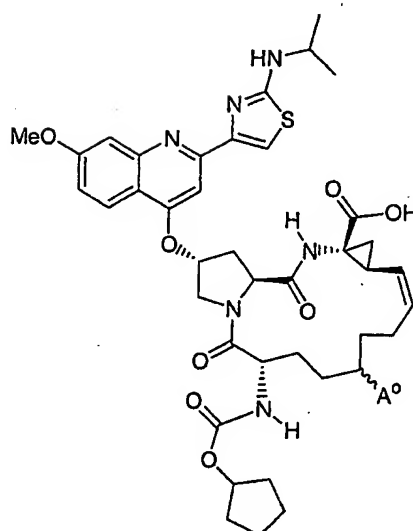
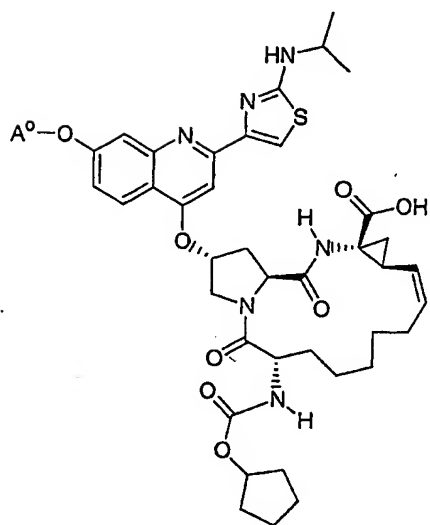
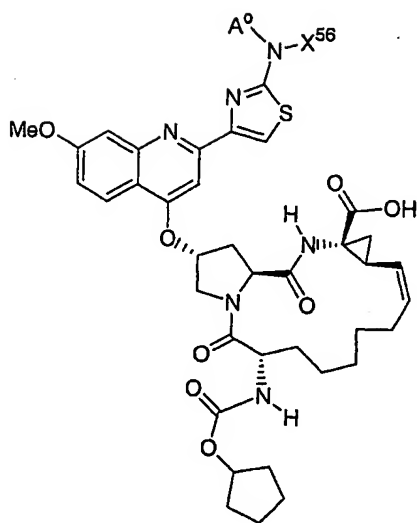
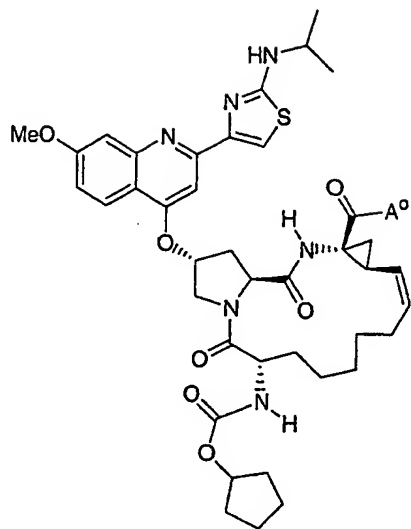
M1a, M1c, and M1d are independently 0 or 1; and

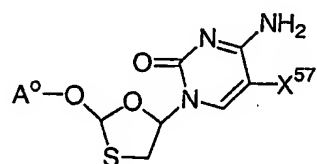
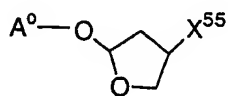
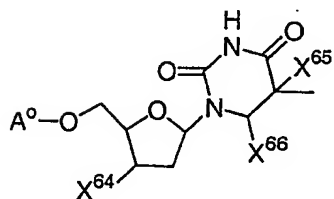
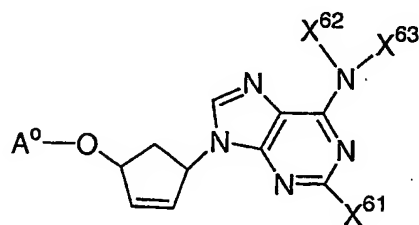
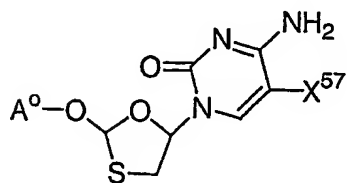
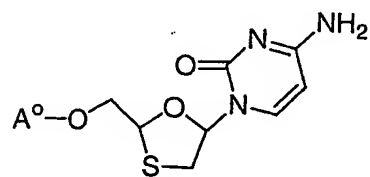
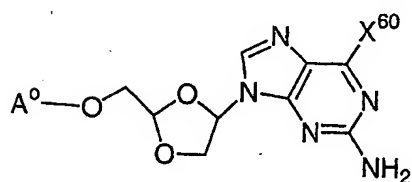
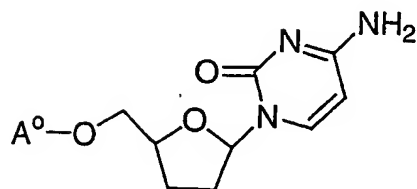
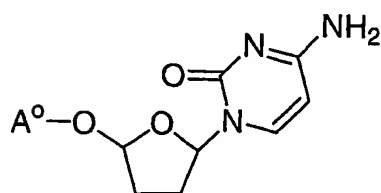
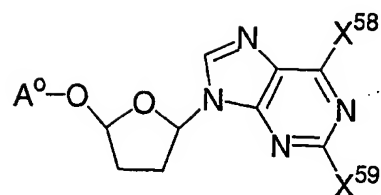
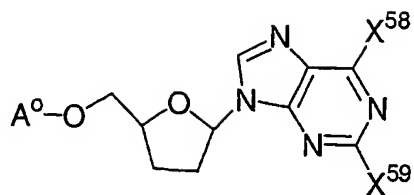
M12c is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12.

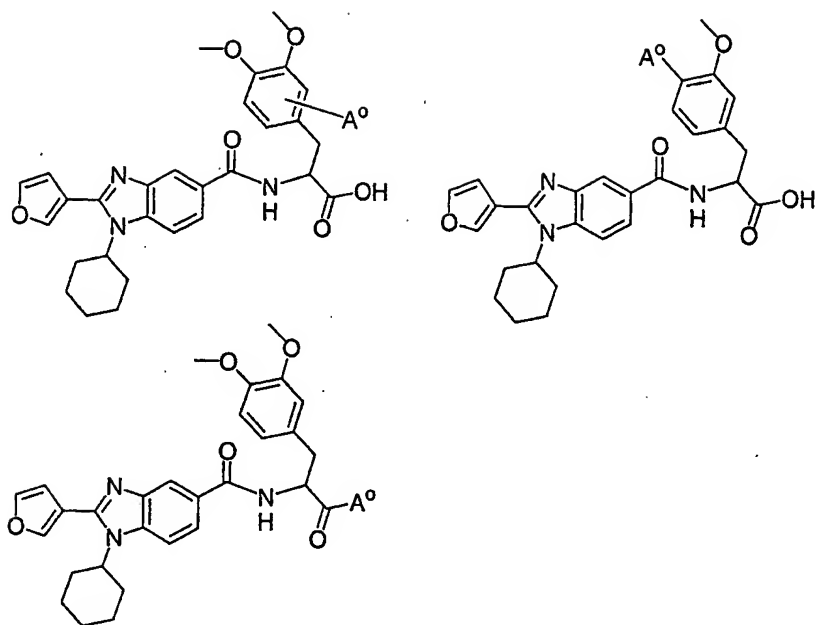
26. The conjugate of claim 1 which has one of the following formulae:

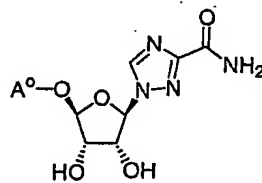
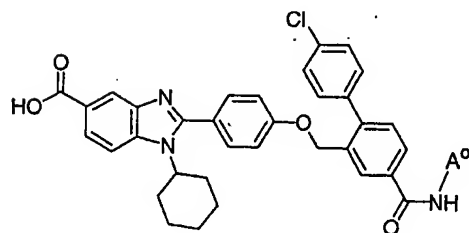
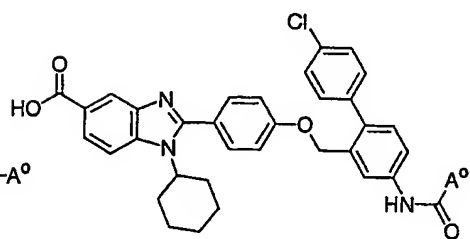
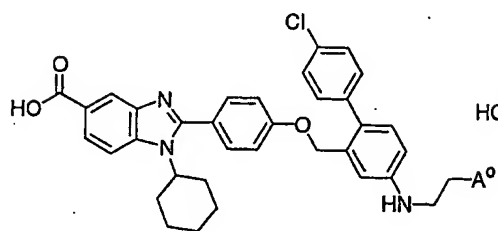
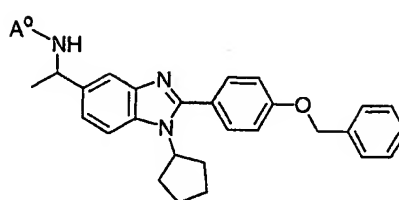
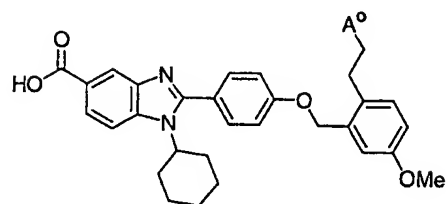
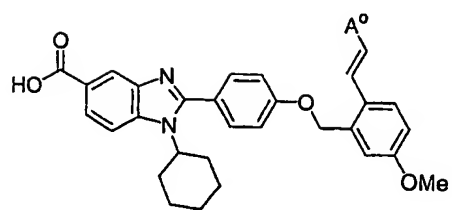
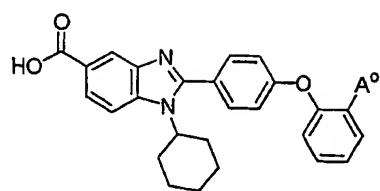


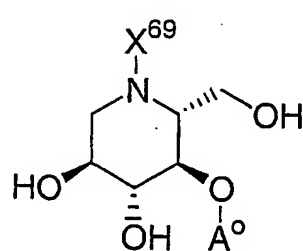
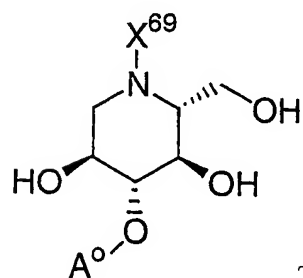
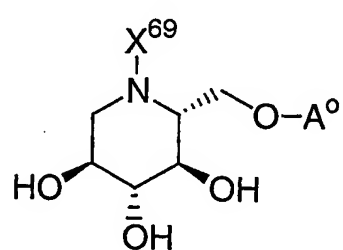
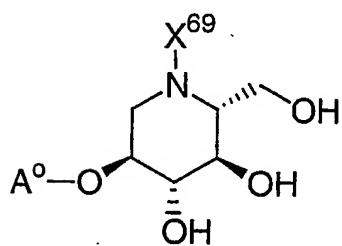
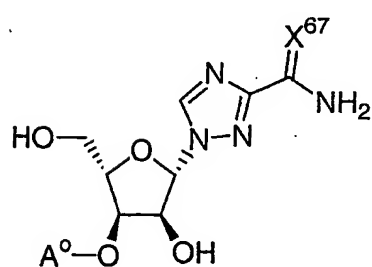
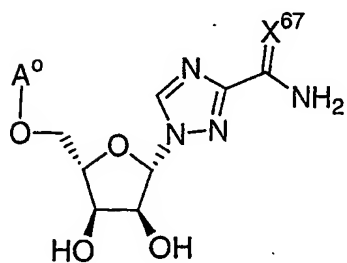
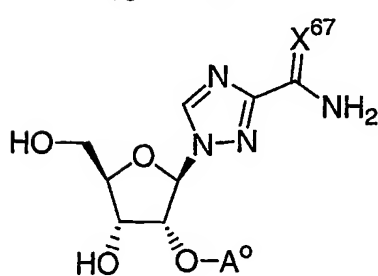
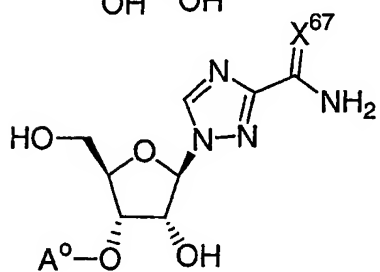
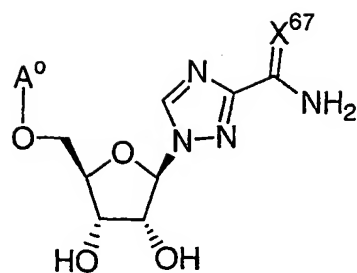
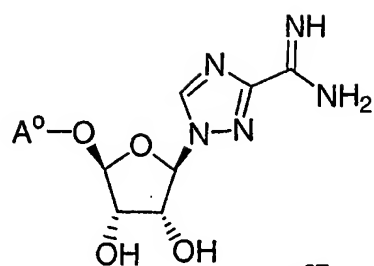


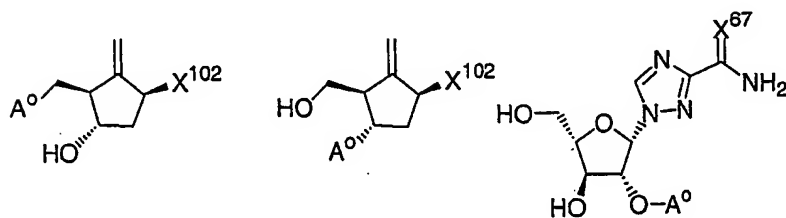
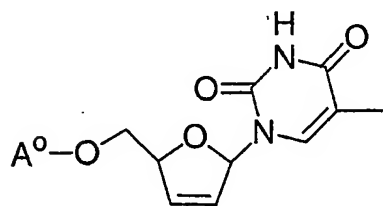
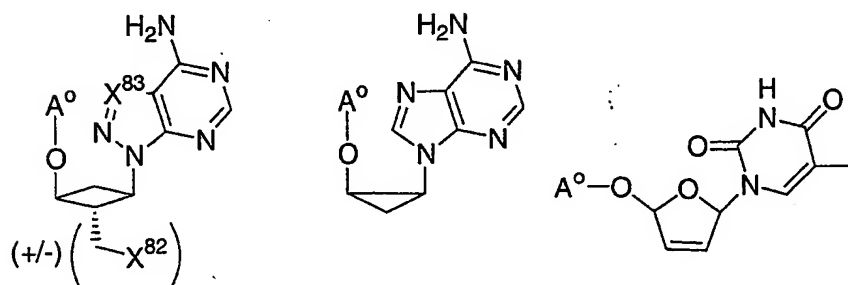
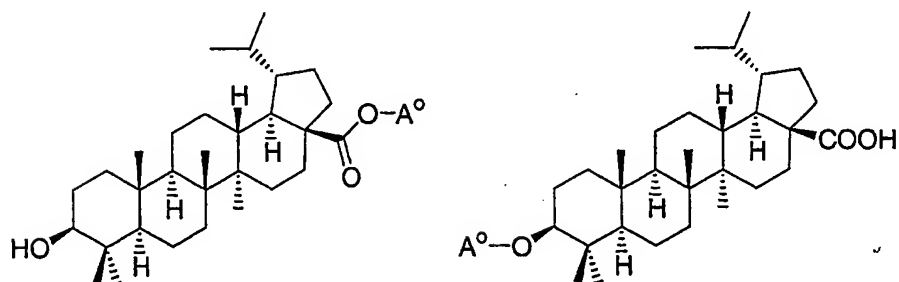
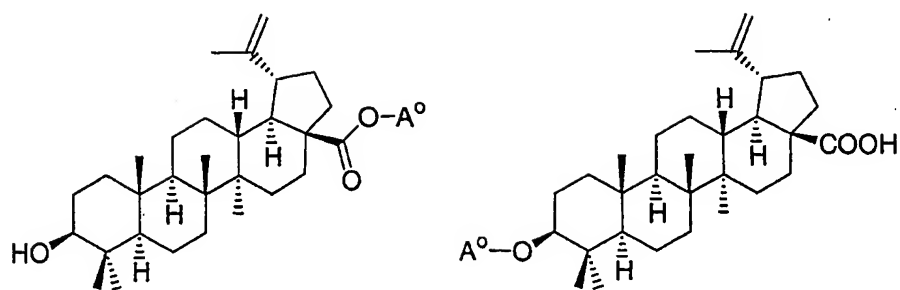


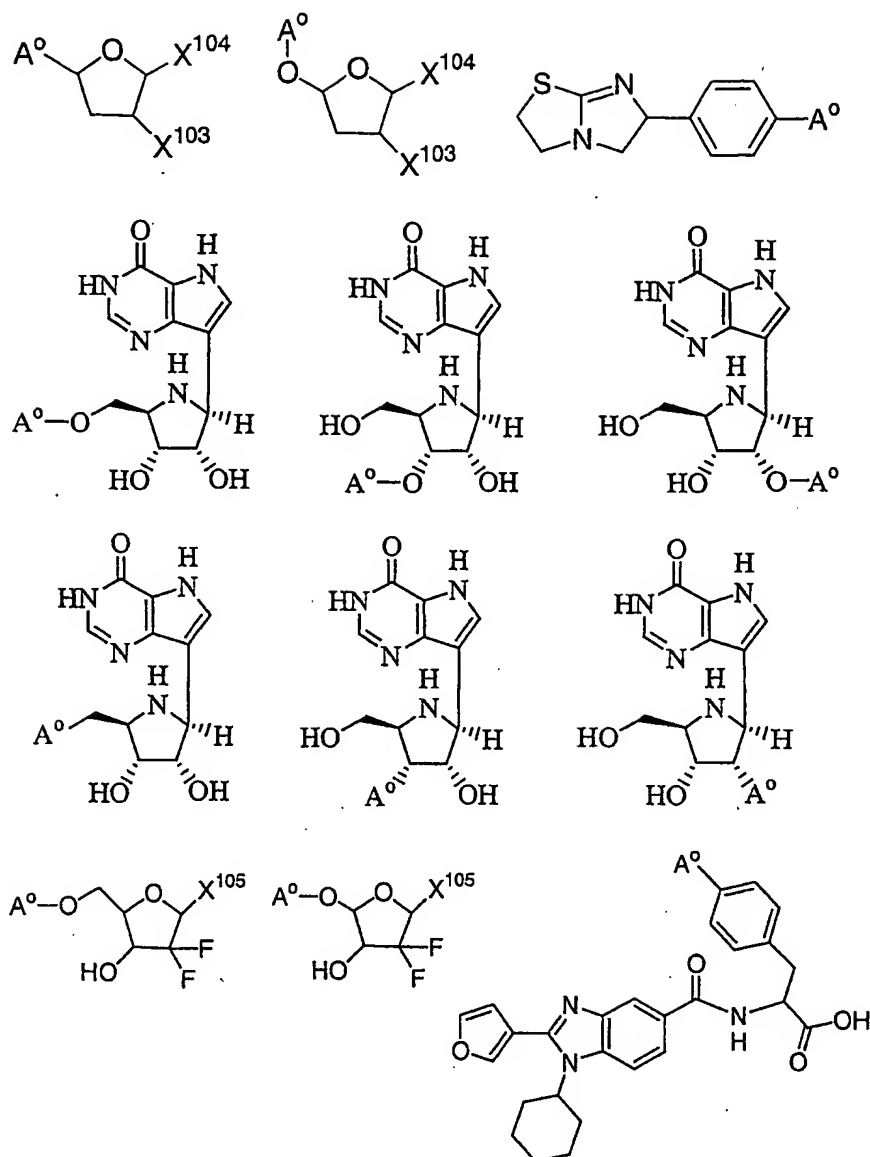








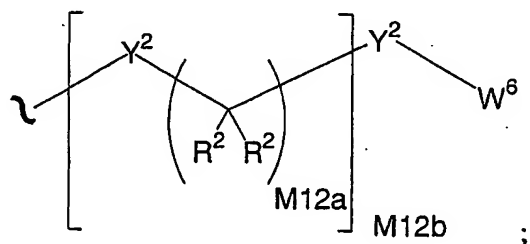




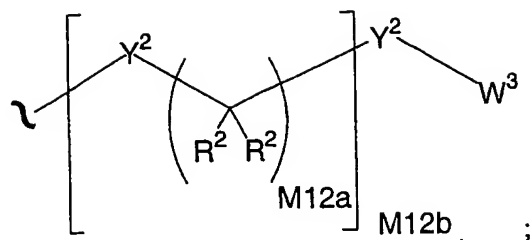
wherein:

A⁰ is A¹, A² or W³ with the proviso that one A⁰ is A¹;

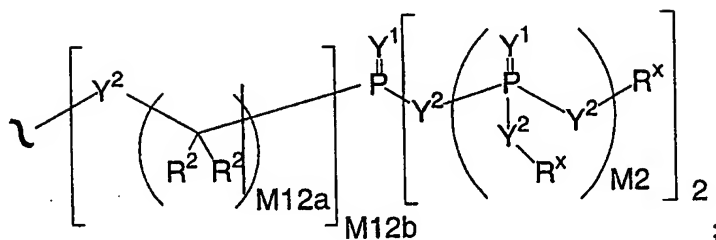
A¹ is:



A² is:



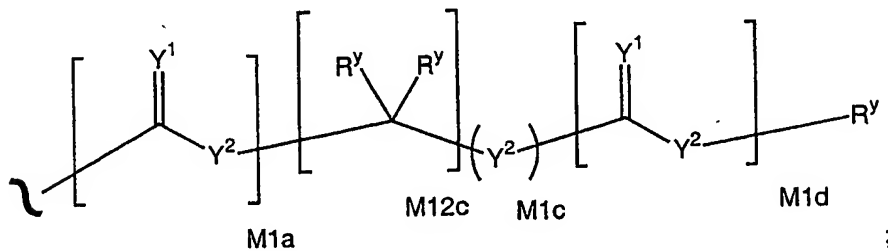
A³ is:



Y¹ is independently O, S, N(R^x), N(O)(R^x), N(OR^x), N(O)(OR^x), or N(N(R^x)(R^x));

Y² is independently a bond, O, N(R^x), N(O)(R^x), N(OR^x), N(O)(OR^x), N(N(R^x)(R^x)), -S(O)_{M2}-, or -S(O)_{M2}-S(O)_{M2}-; and when Y² joins two phosphorous atoms Y² can also be C(R²)(R²);

R^x is independently H, R¹, R², W³, a protecting group, or the formula:



wherein:

R^y is independently H, W³, R² or a protecting group;

R¹ is independently H or alkyl of 1 to 18 carbon atoms;

R² is independently H, R¹, R³ or R⁴ wherein each R⁴ is independently substituted with 0 to 3 R³ groups or taken together at a carbon atom, two R² groups form a ring of 3 to 8 carbons and the ring may be substituted with 0 to 3 R³ groups;

R³ is R^{3a}, R^{3b}, R^{3c} or R^{3d}, provided that when R³ is bound to a heteroatom, then R³ is R^{3c} or R^{3d};

R^{3a} is F, Cl, Br, I, -CN, N_3 or $-NO_2$;

R^{3b} is Y^1 ;

R^{3c} is $-R^x$, $-N(R^x)(R^x)$, $-SR^x$, $-S(O)R^x$, $-S(O)_2R^x$, $-S(O)(OR^x)$, $-S(O)_2(OR^x)$, $-OC(Y^1)R^x$, $-OC(Y^1)OR^x$, $-OC(Y^1)(N(R^x)(R^x))$, $-SC(Y^1)R^x$, $-SC(Y^1)OR^x$, $-SC(Y^1)(N(R^x)(R^x))$, $-N(R^x)C(Y^1)R^x$, $-N(R^x)C(Y^1)OR^x$, or $-N(R^x)C(Y^1)(N(R^x)(R^x))$;

R^{3d} is $-C(Y^1)R^x$, $-C(Y^1)OR^x$ or $-C(Y^1)(N(R^x)(R^x))$;

R^4 is an alkyl of 1 to 18 carbon atoms, alkenyl of 2 to 18 carbon atoms, or alkynyl of 2 to 18 carbon atoms;

R^5 is R^4 wherein each R^4 is substituted with 0 to 3 R^3 groups;

R^{5a} is independently alkylene of 1 to 18 carbon atoms, alkenylene of 2 to 18 carbon atoms, or alkynylene of 2-18 carbon atoms any one of which alkylene, alkenylene or alkynylene is substituted with 0-3 R^3 groups;

W^3 is W^4 or W^5 ;

W^4 is R^5 , $-C(Y^1)R^5$, $-C(Y^1)W^5$, $-SO_2R^5$, or $-SO_2W^5$;

W^5 is carbocycle or heterocycle wherein W^5 is independently substituted with 0 to 3 R^2 groups;

W^6 is W^3 independently substituted with 1, 2, or 3 A^3 groups;

M2 is 0, 1 or 2;

M12a is 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

M12b is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

M1a, M1c, and M1d are independently 0 or 1;

M12c is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

X^{51} is H, α -Br, or β -Br;

X^{52} is alkyl or a arylalkyl;

X^{53} is H, C_1 - C_4 alkyl;

X^{54} is CH or N;

X^{55} is thymine, adenine, uracil, 5-halouracils, 5-alkyluracils, guanine, cytosine, 5-halo and alkyl cytosines, or 2,6-diaminopurine;

X^{56} is H, Me, Et, or *i*-Pr;

X^{57} is H or F;

X^{58} is OH, Cl, NH_2 , H, Me, or MeO;

X^{59} is H or NH_2 ;

X^{60} is OH, Cl, NH_2 , or H;

X^{61} is H, NH_2 , or NH-alkyl;

X^{62} and X^{63} are independently H, alkyl, or cyclopropyl;

X^{64} is H, N_3 , NH_2 , or NHAc;

X^{65} is a halo;

X^{66} is alkoxy, aryloxy, alkenyloxy, arylalkoxy;

$X^{67} = O$ or $=NH$;

X^{69} is H or alkyl;

X^{82} is OH, F, or cyano;

X^{83} is N or CH;

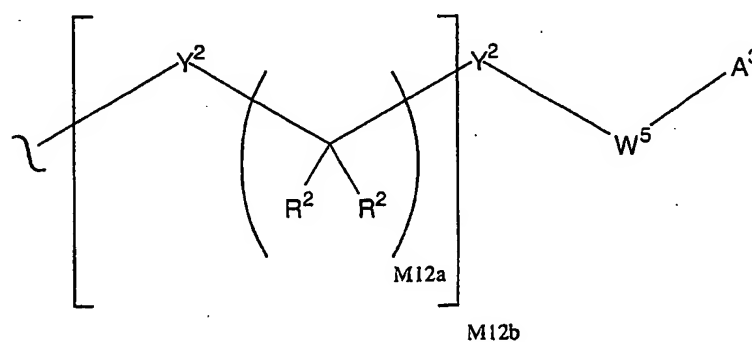
X^{102} is thymine, adenine, guanine, cytosine, uracil, inosine, or diaminopurine;

X^{103} is OH, alkoxy, CN, NO_2 , F, Cl, Br, or I;

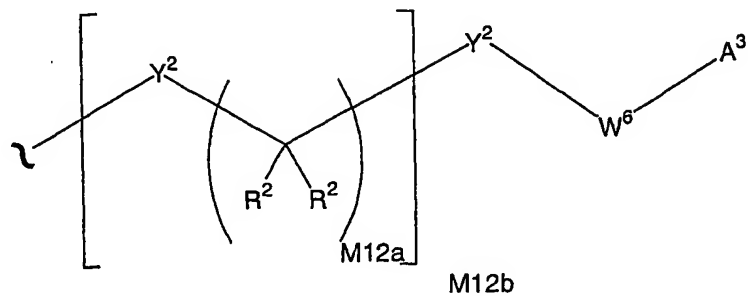
X^{104} is adenine, guanine, cytosine, uracil, thymine, 7-deazaadenine, 7-deazaguanine, 7-deaza-8-azaguanine, 7-deaza-8-azaadenine, inosine, nebularine, nitropyrrole, nitroindole, 2-aminopurine, 2-amino-6-chloropurine, 2,6-diaminopurine, hypoxanthine, pseudouridine, pseudocytosine, pseudoisocytosine, 5-propynylcytosine, isocytosine, isoguanine, 7-deazaguanine, 2-thiopyrimidine, 6-thioguanine, 4-thiouracil, O^6 -methylguanine, N^6 -methyladenine, O^4 -methylthymine, 5,6-dihydrothymine, 5,6-dihydrouracil, 4-methylindole, or pyrazolo[3,4-d]pyrimidine; and

X^{105} is cytosine.

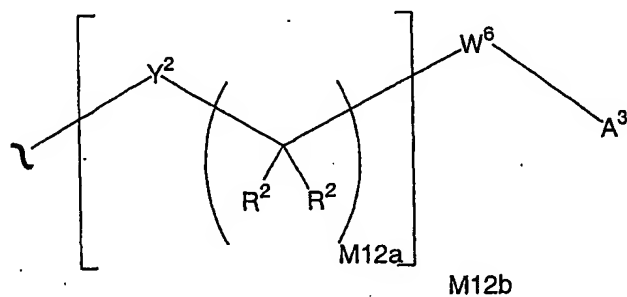
27. The conjugate of any one of claims 13-26, wherein each A^1 is of the formula:



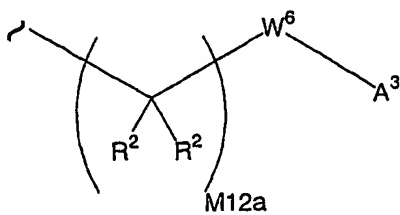
28. The conjugate of any one of claims 13-26, wherein each A^1 is of the formula:



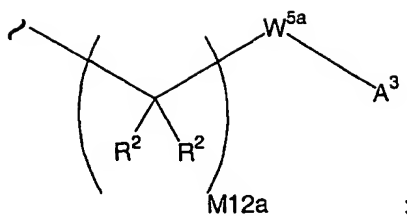
29. The conjugate of any one of claims 13-26, wherein each A^1 is of the formula:



30. The conjugate of any one of claims 13-26, wherein each A^1 is of the formula:



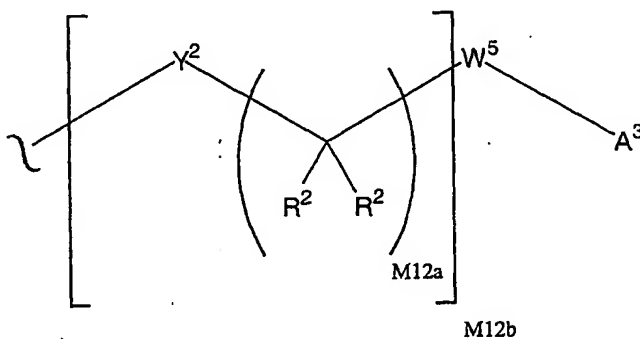
31. The conjugate of any one of claims 13-26, wherein each A^1 is of the formula:



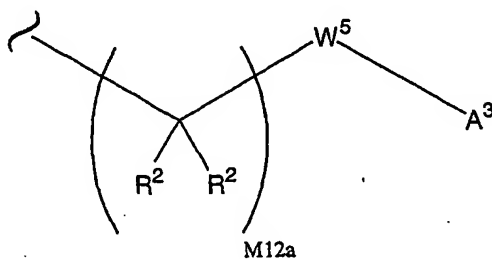
wherein: W^{5a} is a carbocycle or a heterocycle where W^{5a} is independently substituted with 0 or 1 R^2 groups.

32. The conjugate of any one of claims 13-26, wherein M12a is 1.

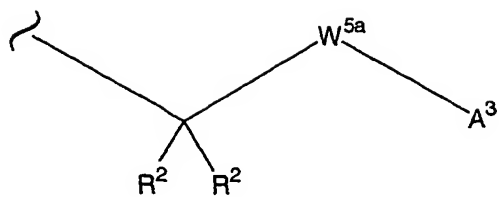
33. The conjugate of any one of claims 13-26, wherein each A^1 is of the formula:



34. The conjugate of any one of claims 13-26, wherein each A^1 is of the formula:

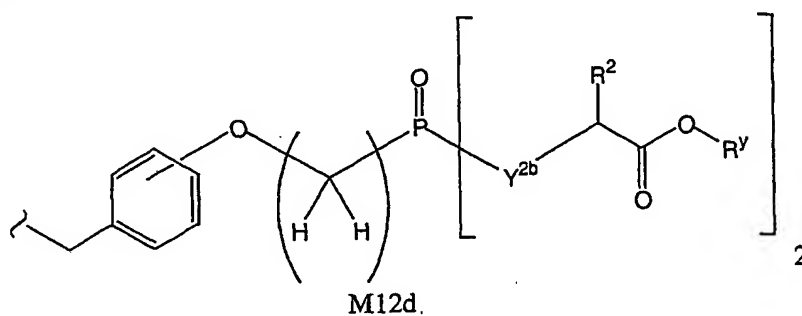


35. The conjugate of any one of claims 13-26, wherein each A^1 is of the formula:



wherein: W^{5a} is a carbocycle independently substituted with 0 or 1 R^2 groups.

36. The conjugate of any one of claims 13-26, wherein each A^1 is of the formula:

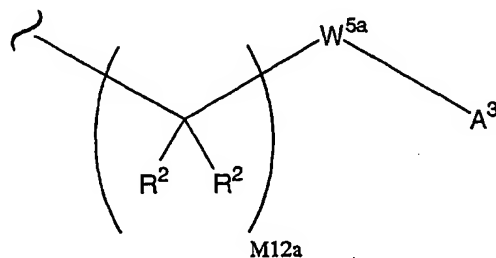


wherein:

Y^{2b} is O or $N(R^2)$; and

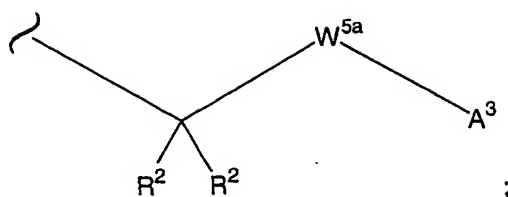
M12d is 1, 2, 3, 4, 5, 6, 7 or 8.

37. The conjugate of any one of claims 13-26, wherein each A^1 is of the formula:



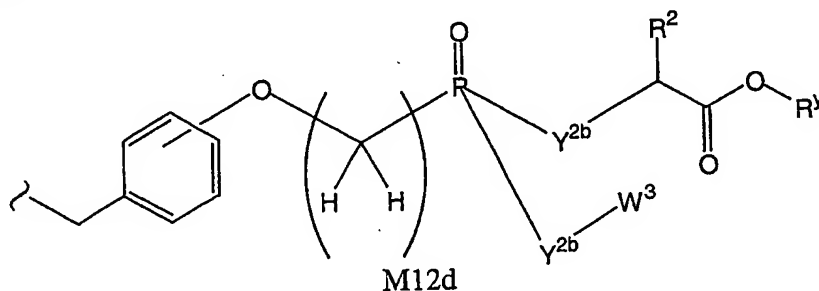
wherein: W^{5a} is a carbocycle independently substituted with 0 or 1 R^2 groups.

38. The conjugate of any one of claims 13-26, wherein each A^1 is of the formula:



wherein: W^{5a} is a carbocycle or heterocycle where W^{5a} is independently substituted with 0 or 1 R^2 groups.

39. The conjugate of any one of claims 13-26, wherein each A^1 is of the formula:

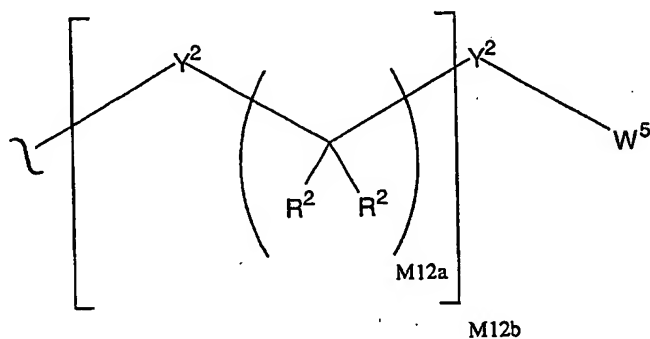


wherein:

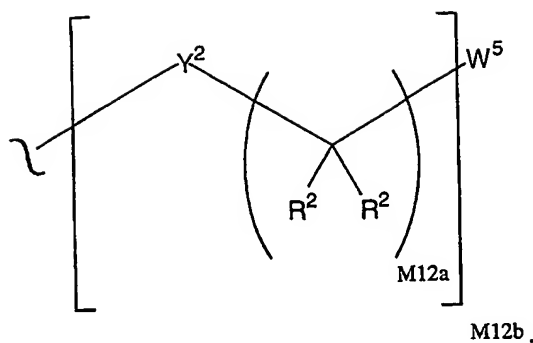
Y^{2b} is O or $\text{N}(\text{R}^2)$; and

M12d is 1, 2, 3, 4, 5, 6, 7 or 8.

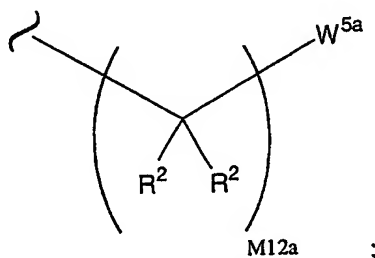
40. The conjugate of any one of claims 13-21 wherein each A^2 is of the formula:



41. The conjugate of any one of claims 13-21 wherein each A^2 is of the formula:



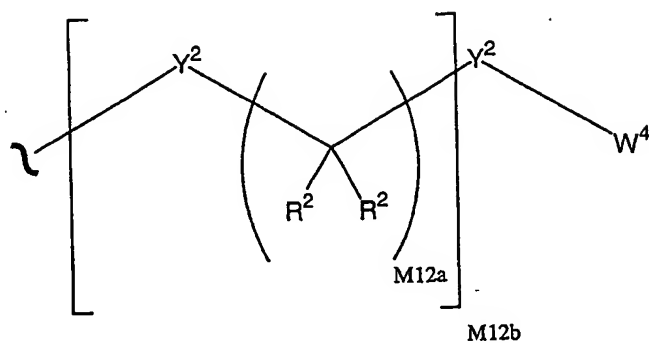
42. The conjugate of any one of claims 13-21 wherein each M12b is 1.
43. The conjugate of claim 41 where M12b is 0, Y² is a bond and W⁵ is a carbocycle or heterocycle where W⁵ is optionally and independently substituted with 1, 2, or 3 R² groups.
44. The conjugate of any one of claims 13-21 wherein each A² is of the formula:



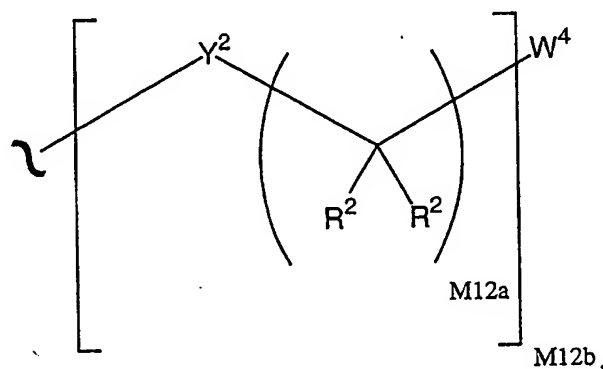
wherein: W^{5a} is a carbocycle or heterocycle where W^{5a} is optionally and independently substituted with 1, 2, or 3 R² groups.

45. The conjugate of claim 44 wherein M12a is 1.
46. The conjugate of any one of claims 13-21 wherein each A² is selected from phenyl, substituted phenyl, benzyl, substituted benzyl, pyridyl and substituted pyridyl.

47. The conjugate of any one of claims 13-21 wherein each A^2 is of the formula:

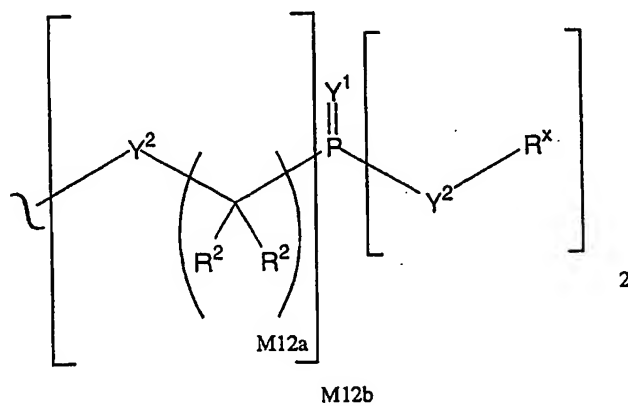


48. The conjugate of any one of claims 13-21 wherein each A^2 is of the formula:

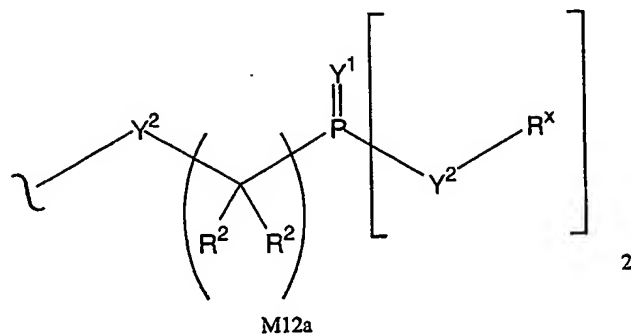


49. The conjugate of claim 48 wherein M12b is 1.

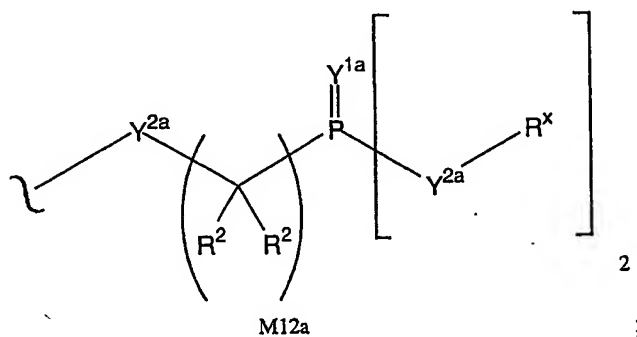
50. The conjugate of any one of claims 13-26 wherein each A^3 is of the formula:



51. The conjugate of any one of claims 13-26 wherein each A³ is of the formula:



52. The conjugate of any one of claims 13-26 wherein each A³ is of the formula:

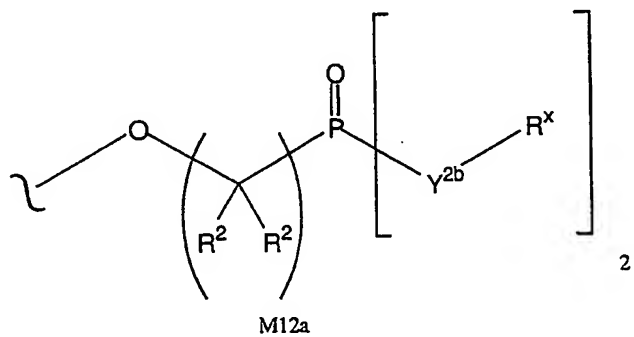


wherein:

Y^{1a} is O or S; and

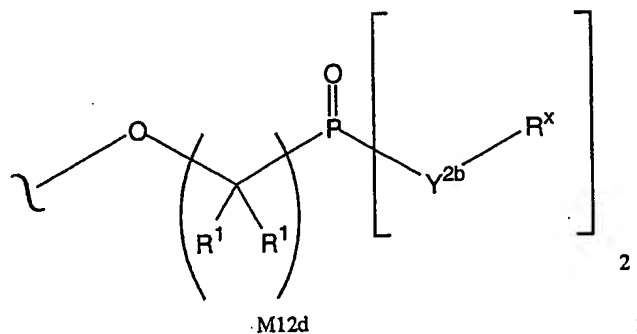
Y^{2a} is O, N(R^x) or S.

53. The conjugate of any one of claims 13-26 wherein each A³ is of the formula:



wherein Y^{2b} is O or $N(R^x)$.

54. The conjugate of any one of claims 13-26 wherein each A^3 is of the formula:

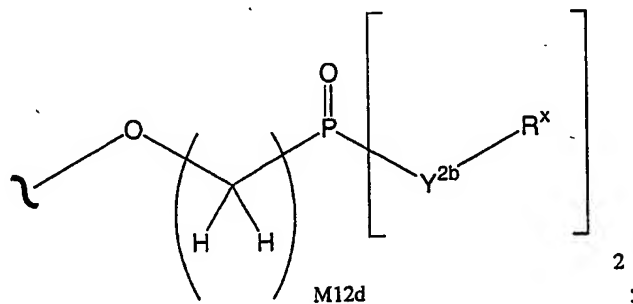


wherein:

Y^{2b} is O or $N(R^x)$; and

M12d is 1, 2, 3, 4, 5, 6, 7 or 8.

55. The conjugate of any one of claims 13-26 wherein each A^3 is of the formula:



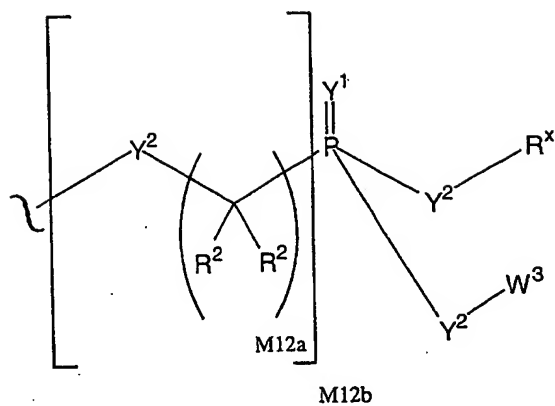
wherein:

Y^{2b} is O or $N(R^x)$; and

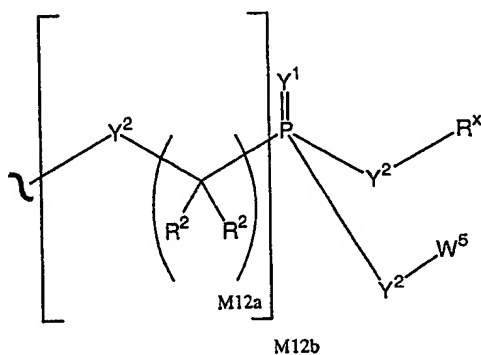
M12d is 1, 2, 3, 4, 5, 6, 7 or 8.

56. The conjugate of claim 55 wherein M12d is 1.

57. The conjugate of any one of claims 13-26 wherein each A^3 is of the formula:

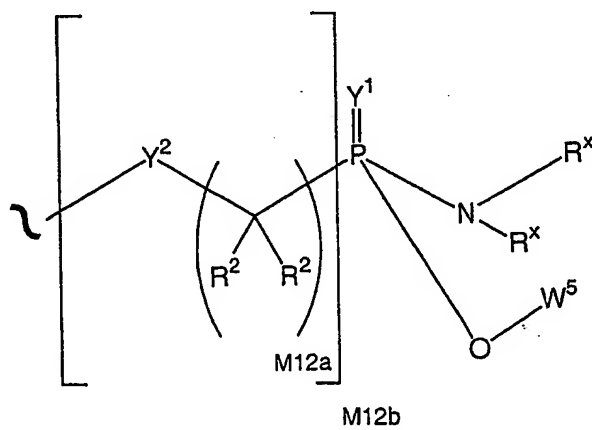


58. The conjugate of any one of claims 13-26 wherein each A³ is of the formula:

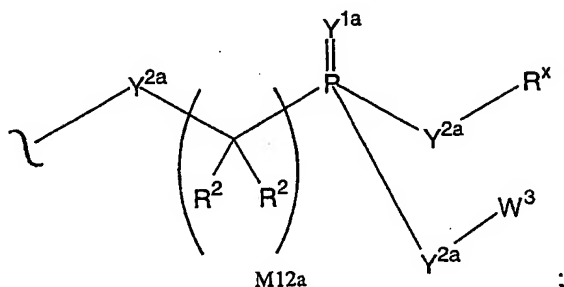


59. The conjugate of claim 58 wherein W⁵ is a carbocycle.

60. The conjugate of any one of claims 13-26 wherein each A³ is of the formula:



61. The conjugate of claim 60 wherein W^5 is phenyl.
62. The conjugate of claim 60 wherein M12b is 1.
63. The conjugate of any one of claims 13-26 wherein each A^3 is of the formula:

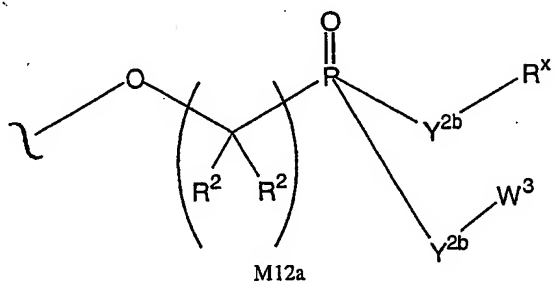


wherein:

Y^{1a} is O or S; and

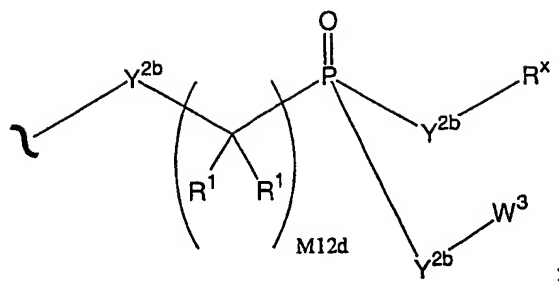
Y^{2a} is O, $N(R^x)$ or S.

64. The conjugate of any one of claims 13-26 wherein each A^3 is of the formula:



wherein Y^{2b} is O or $N(R^x)$.

65. The conjugate of any one of claims 13-26 wherein each A^3 is of the formula:



wherein:

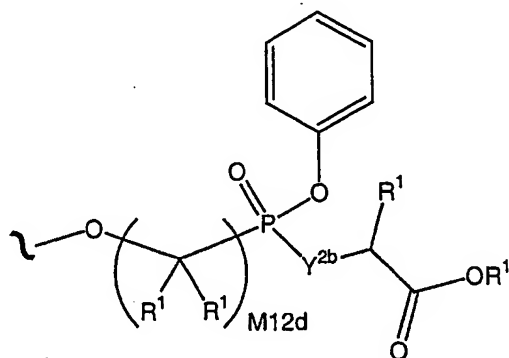
Y^{2b} is O or $N(R^x)$; and

M12d is 1, 2, 3, 4, 5, 6, 7 or 8.

66. The conjugate of claim 65 wherein R^1 is H.

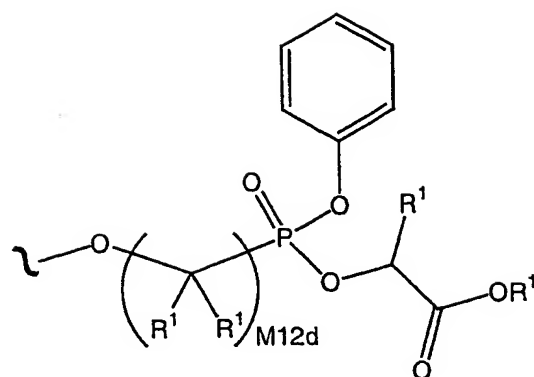
67. The conjugate of claim 65 wherein M12d is 1.

68. The conjugate of any one of claims 13-26 wherein each A^3 is of the formula:



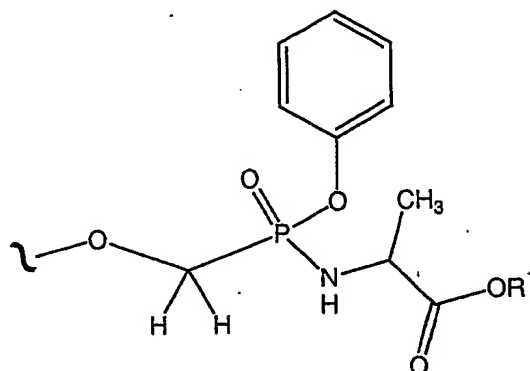
wherein the phenyl carbocycle is substituted with 0, 1, 2, or 3 R^2 groups.

69. The conjugate of any one of claims 13-26 wherein each A^3 is of the formula:

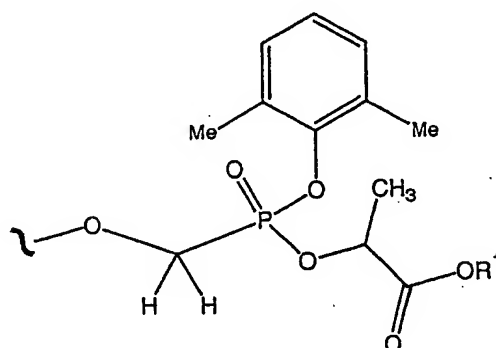


wherein the phenyl carbocycle is substituted with 0, 1, 2, or 3 R^2 groups.

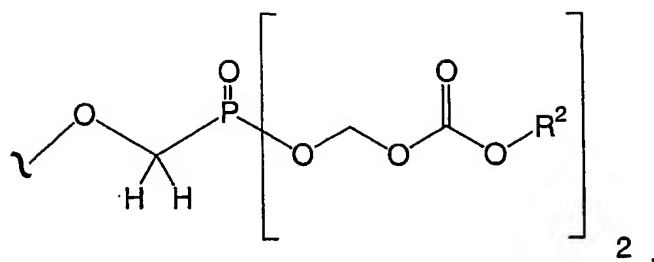
70. The conjugate of any one of claims 13-26 wherein each A^3 is of the formula:



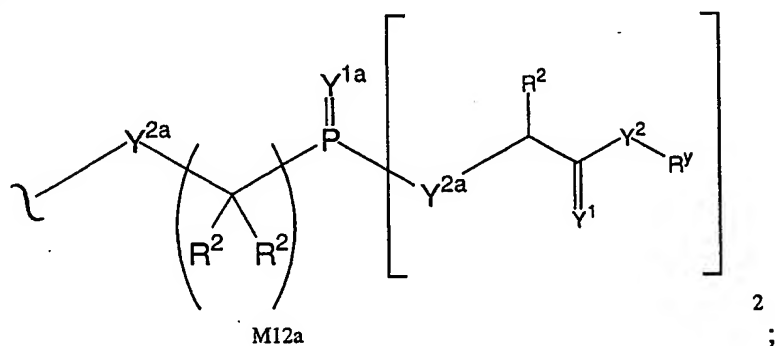
71. The conjugate of any one of claims 13-26 wherein each A^3 is of the formula:



72. The conjugate of any one of claims 13-26 wherein each A^3 is of the formula:



73. The conjugate of any one of claims 13-26 wherein each A^3 is of the formula:

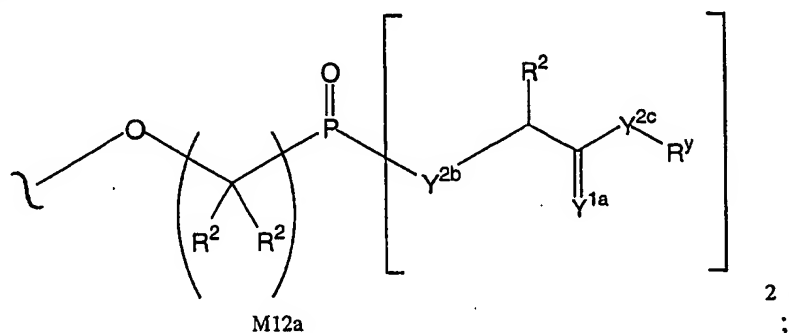


wherein:

Y^{1a} is O or S; and

Y^{2a} is O, $N(R^2)$ or S.

74. The conjugate of any one of claims 13-26 wherein each A^3 is of the formula:



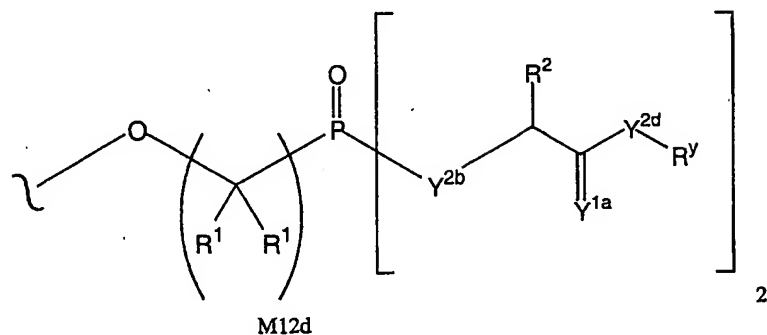
wherein:

Y^{1a} is O or S;

Y^{2b} is O or $N(R^2)$; and

Y^{2c} is O, $N(R^y)$ or S.

75. The conjugate of any one of claims 13-26 wherein each A^3 is of the formula:



wherein:

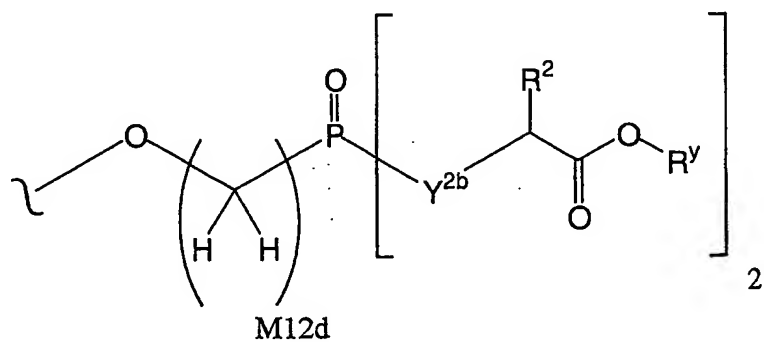
Y^{1a} is O or S;

Y^{2b} is O or $N(R^2)$;

Y^{2d} is O or $N(R^y)$; and

M12d is 1, 2, 3, 4, 5, 6, 7 or 8.

76. The conjugate of any one of claims 13-26 wherein each A^3 is of the formula:

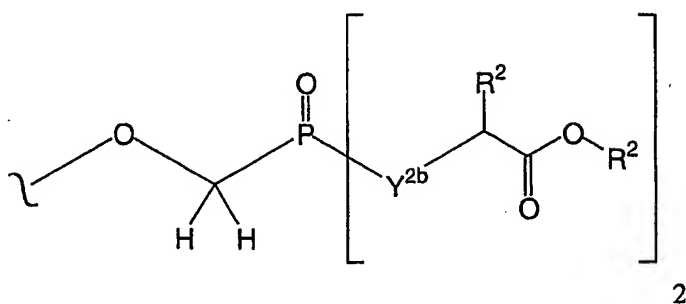


wherein:

Y^{2b} is O or $N(R^2)$; and

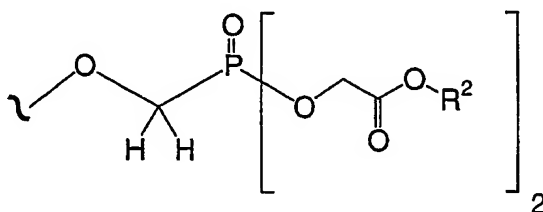
M12d is 1, 2, 3, 4, 5, 6, 7 or 8.

77. The conjugate of any one of claims 13-26 wherein each A^3 is of the formula:

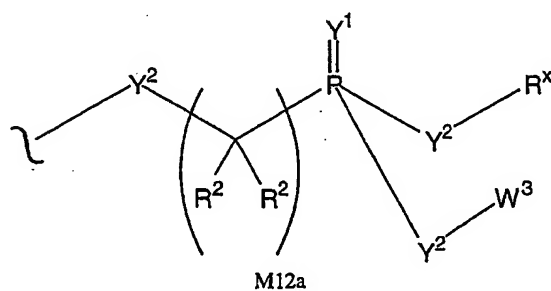


wherein Y^{2b} is O or $N(R^2)$.

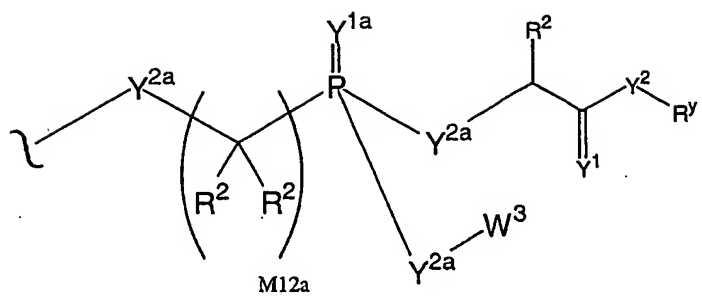
78. The conjugate of any one of claims 13-26 wherein each A^3 is of the formula:



79. The conjugate of any one of claims 13-26 wherein each A^3 is of the formula:



80. The conjugate of any one of claims 13-26 wherein each A^3 is of the formula:

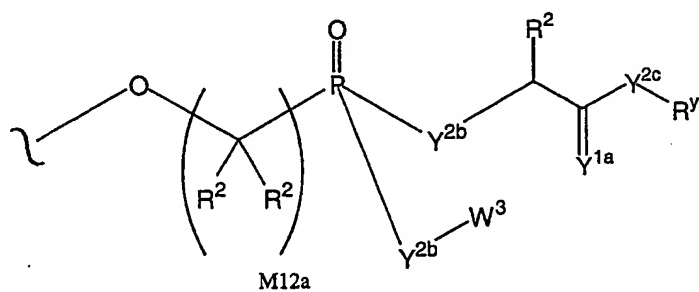


wherein:

Y^{1a} is O or S; and

Y^{2a} is O, $N(R^2)$ or S.

81. The conjugate of any one of claims 13-26 wherein each A^3 is of the formula:



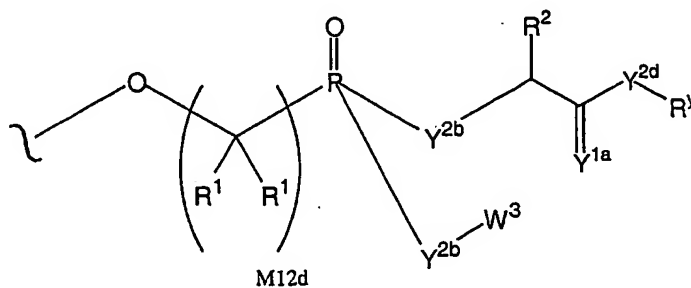
wherein:

Y^{1a} is O or S;

Y^{2b} is O or $N(R^2)$; and

Y^{2c} is O, $N(R^y)$ or S.

82. The conjugate of any one of claims 13-26 wherein each A^3 is of the formula:



wherein:

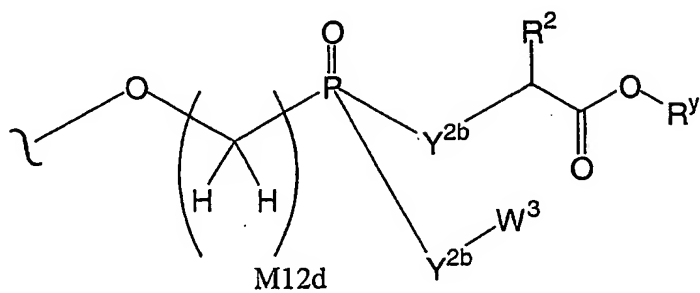
Y^{1a} is O or S;

Y^{2b} is O or $N(R^2)$;

Y^{2d} is O or $N(R^y)$; and

M12d is 1, 2, 3, 4, 5, 6, 7 or 8.

83. The conjugate of any one of claims 13-26 wherein each A^3 is of the formula:

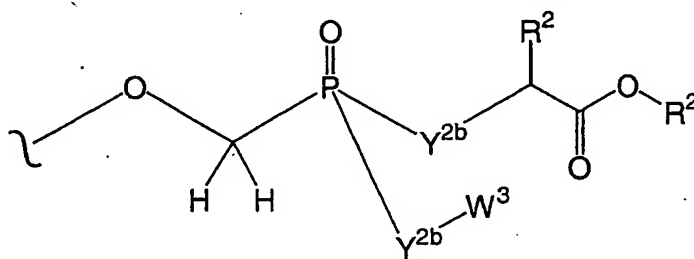


wherein:

Y^{2b} is O or $N(R^2)$; and

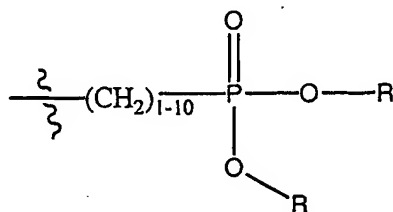
M12d is 1, 2, 3, 4, 5, 6, 7 or 8.

84. The conjugate of any one of claims 13-26 wherein each A^3 is of the formula:



wherein Y^{2b} is O or $N(R^2)$.

85. The conjugate of any one of claims 13-26 wherein A^0 is of the formula:



wherein each R is independently alkyl.

86. The conjugate as described in any one of claims 1-85, which is isolated and purified.

87. A compound of formula MBF.

88. The compound of claim 87 which is selected from Table 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, or 110.

89. A pharmaceutical composition comprising a pharmaceutical excipient and a conjugate as described in any one of claims 1-85 or a compound as described in claims 87-88.

90. A unit dosage form comprising a conjugate as described in any one of claims 1-85 or a compound as described in claims 87-88; and a pharmaceutically acceptable excipient.

91. A conjugate as described in any one of claims 1-85 or a compound as described in claims 87-88 for use in medical therapy.

92. The use of a cell-permeable conjugate comprising a therapeutic agent linked to one or more phosphonate groups, or a pharmaceutically acceptable salt or solvate thereof, to prepare a medicament useful for treating a disease or condition in a mammal, wherein after entry into cells, the cell-permeable conjugate is converted to a therapeutically active agent having reduced cell permeability.

93. The use of claim 92 wherein the cell-permeable conjugate is a conjugate as described in any one of claims 1-85 or a compound as described in claims 87-88.

94. The use of claim 92 wherein the disease or condition is inflammation.
95. The use of claim 92 wherein the disease or condition is related to the activity of a purine nucleoside phosphorylase.
96. The use of claim 92 wherein the disease or condition is cancer.
97. The use of claim 92 wherein the disease or condition is an immune-mediated condition.
98. The use of claim 92 wherein the disease is a metabolic disease.
99. The use of claim 92 wherein the disease or condition is associated with a viral infection.
100. The use of claim 92 wherein the disease or condition is associated with the activity of a kinase.
101. The use of claim 92 wherein the disease or condition is associated with a non-viral infection.
102. A method for treating a disease or condition in a mammal, comprising administering to the mammal a therapeutically effective amount of a cell-permeable conjugate comprising a therapeutic agent linked to one or more phosphonate groups, or a pharmaceutically acceptable salt or solvate thereof, wherein, following administration, the cell-permeable conjugate enters cells of the mammal and therein is converted to a therapeutically active agent having reduced cell permeability.
103. The method of claim 102 wherein the disease or condition is inflammation.

104. The method of claim 102 wherein the disease or condition is related to the activity of a purine nucleoside phosphorylase.
105. The method of claim 102 wherein the disease or condition is cancer.
106. The method of claim 102 wherein the disease or condition is an immune-mediated condition.
107. The method of claim 102 wherein the disease is a metabolic disease.
108. The method of claim 102 wherein the disease or condition is associated with a viral infection.
109. The method of claim 102 wherein the disease or condition is associated with the activity of a kinase.
110. The method of claim 102 wherein the disease or condition is associated with a non-viral infection.
111. A method of preparing a compound or conjugate described herein according to the Examples and/or Schemes herein.